November 16, 2012

Thomas Taccone
USEPA Region 2
Emergency and Remedial Response Division
New York Remedial Branch
New York Remediation Section
290 Broadway, Floor 20
New York, NY 10007

Lauren Charney
USEPA Region 2
Office of Regional Counsel
New York Caribbean Superfund Branch
290 Broadway, 17th Floor
New York, NY 10007-1866

Re: Request for Information Pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9604(e) Concerning the Eighteen Mile Creek Site in Niagara County, New York

Dear Mr. Taccone & Ms. Charney:

On behalf of VanDeMark Chemical Inc. ("VDM"), I am writing to respond to the August 28, 2012 Request for Information (the "RFI") from the United States Environmental Protection Agency ("EPA"), concerning the Eighteen Mile Creek Superfund Site (the "Site"). The response date for this submittal is November 19, 2012, pursuant to the October 24, 2012 email of Ms. Charney.

General Objections

- 1. VDM was incorporated and began its operations in 1951. Therefore, the only production, operation, waste generating, or disposal activities of VDM that could be responsive to the RFI would relate to the time period after 1951.
- 2. VDM objects to the RFI to the extent that it is indefinite, vague, ambiguous, overly broad, and unduly burdensome.
- 3. VDM objects to the extent that the RFI seeks documents in the possession of EPA or the New York State Department of Environmental Conservation ("NYSDEC") or otherwise

in the public domain, because the burden of searching for and retrieving any such documents is the same (if not easier) for EPA, and because those documents that VDM might select from the public domain are protected from disclosure by the attorney work product privilege.

- 4. VDM objects to the RFI to the extent it requires production of information that is protected from disclosure by the attorney work product or the attorney/client privileges.
- 5. VDM objects to the RFI to the extent it seeks information that is not relevant or reasonably calculated to lead to the discovery of information relating to the origin of hazardous substances found at the Site, outside the scope of what may be permissibly sought under Section 104(e) of CERCLA, or not otherwise required to be produced under federal or state law.
- 6. VDM objects to the scope of the RFI on grounds that it is overly broad and unduly burdensome because it seeks information concerning VDM over a time period spanning more than 63 years, and concerning property currently owned by VDM that spans multiple owners for an indefinite period of time.
- 7. VDM objects to the scope of the RFI on grounds that it is overly broad and unduly burdensome because it seeks information concerning all of Eighteen Mile Creek and "its tributaries (including the New York Barge Canal, formerly, the Erie Canal) and all other properties that may impact or may have impacted the Site."
- 8. VDM objects to the scope of the RFI to the extent it requests "all" copies of documents concerning various topics, on grounds that such requests are overly broad and unduly burdensome, and production of all such documents would be unnecessarily duplicative. VDM will produce available responsive documents and, when fewer than all responsive documents have been produced because of redundancy, will advise EPA and will consider a request to produce additional documents upon request.
- 9. VDM has made a diligent and good faith effort to locate responsive information in its possession. These responses are based on a review of those documents, and a reasonable and good faith inquiry of employees currently employed with VDM. However, the RFI requests information extending back to 1951 concerning VDM, and earlier concerning the Site, both periods of which extend beyond the scope of personal knowledge held by VDM's current

employees and information contained in VDM's documents. VDM's responses are based only on the information reasonably available to it. VDM reserves the right to modify and/or supplement these responses in the future, as appropriate, if additional responsive information becomes available to it. VDM also is producing documents, from which requested information may be found, and relies on these documents in lieu of providing the requested information because the burden of obtaining that information from those documents is the same for EPA as it is for VDM.

10. VDM objects to the RFI to the extent it seeks to require VDM to respond on behalf of any person other than VDM.

Responses and Specific Objections:

Please provide the following information on your Company:

1a. State the current and all former names of your Company.

Response:

- 1. VANDEMARK CHEMICAL INC. since June 8, 2007;
- 2. ISOCHEM, Inc. from February 14, 2004 until June 8, 2007;
- 3. VANDEMARK, INC. from January 3, 2000 until February 14, 2004; and
- 4. VAN DE MARK CHEMICAL COMPANY, INC. beginning when incorporated in June 8, 1951 until January 3, 2000.
- 1b. Identify the state and date of incorporation and your Company's agents for service of process in the state of incorporation and in New York State. Provide a copy of your Company's articles of incorporation or other such documents which established the Company.

Response:

<u>See</u> documents attached hereto, at tab 1. VDM was incorporated in the State of New York on June 8, 1951. Its address for New York Department of State service of process is 1 North Transit Road, Lockport, New York, 14094-2323.

1c. Identify and provide the addresses of the President, Chief Executive Officer, Chairman of the Board, or other presiding officer of the Company.

Response: The Chief Executive Officer of VDM is Michael A. Kucharski, P.E. His address is

1 North Transit Road, Lockport, New York, 14094-2323.

1d. Describe the nature of the business conducted by your Company.

Response: VDM manufactures phosgene, specialized chlorine derivatives, and other custom

and specialty chemicals used in the pharmaceutical, agricultural-chemical,

polymer, and fine chemical industries.

1e. Identify any predecessor or successors of your Company.

Response: VanChem, Inc. was a wholly-owned subsidiary corporation of VDM that was

incorporated in 1983, and then merged into VDM and ceased to exist in 1999.

There are no other predecessors or successors of VDM or VanChem.

1f. If your Company is a subsidiary, division, branch, or affiliate of another corporation or other entity, identify each of those other entities and those entities' Chief Executive Officers or other presiding officers. Identify the state of incorporation and agents for service of process in the state of incorporation and in New York State for each entity.

Response: VDM is not a subsidiary, division, branch, or affiliate of another corporation or

other entity.

2. List the properties that your Company or its predecessors, subsidiaries, or affiliates currently owns or operates or previously owned or operated, within 5 miles of the shoreline of Eighteen Mile Creek or one of its tributaries (including the New York Barge Canal,

formerly, the Erie Canal) and all other properties that may impact or may have impacted the Site. For each property, provide the following information:

Response:

The current plant site operated by VDM is located at 1 North Transit Road Lockport, NY 14094-2323 (the "VDM Facility"). VDM also owned (until 1999) and operated (from 1951-1982) a nearby landfill, located approximately 275 yards west of the VDM Facility, that was closed with NYSDEC approval in 1988.

2a. State the name, address, and the nature of your Company's interest (ownership, lease, etc.) in the property. Identify the dates of your Company's interest and provide copies of all documents concerning this interest (e.g. deeds, leases, etc.).

Response:

In 1951, VDM acquired certain assets of Niagara Chlorine Products, including its manufacturing plant then located at 1 North Transit Road in Lockport (the "VDM Facility"). VDM did not assume or succeed to any Niagara Chlorine Products liabilities.

The VDM Facility is separate from and does not include the Milward Alloys facility to the north or VanChlor facility to the west. VDM is responding to the RFI solely with respect to VDM and the VDM Facility, and not in any respect to Milward Alloys or VanChlor.

VDM has not operated at any other location in the Lockport area, other than landfilling activities at the landfill located approximately 275 yards west of the VDM Facility, which began in 1957 and continued until 1982, after which the landfill was closed in 1988 pursuant to a NYSDEC consent decree (the "VanChlor Landfill"). Ownership of the VanChlor Landfill was transferred to VanChlor in 1999, and both by contract between VDM and VanChlor and pursuant to a permit with NYSDEC (DEC No. 9-2909-00049/00003), VanChlor assumed future responsibility for post-closure care, including operation and maintenance, of the landfill.

VDM is producing the main deed to the VDM Facility; additional deeds to various parcels now comprising the facility, or reflecting transactions with the local municipality, can be produced upon further request.

2b. Provide a detailed description of the operations, processes, and business activities at each property. If the operations changed over time, indicate the nature of the changes and the dates the changes took place.

Response:

VDM began operations at the VDM Facility shortly after it was incorporated in June 1951. VDM did not exist and did not conduct any operations (in Lockport or anywhere else) prior to June 1951. VDM also has not conducted operations at any other location (than the VDM Facility).

From 1951 to the present date, VDM has manufactured phosgene by reacting carbon monoxide and chlorine gas as raw materials. Silicon tetrachloride was manufactured by VDM from the 1950s until 1985, by reacting silicon carbide and chlorine gas as raw materials. Only in the 1950s, titanium tetrachloride was manufactured by VDM, by reacting an unknown titanium compound and chlorine gas as raw materials. VDM manufactured aluminum chloride, by reacting aluminum and chlorine gas, from the 1951 until the 1960s, when those operations were transferred to VanChlor. Chloroformates and isocyanates (such as p-toluenesolfonyl isocyanate) have been manufactured by VanChem (from the early 1980s until 1999) and VDM (since 1999) by reacting phosgene, amines, alcohol and other solvents as raw materials. Various other chlorine and phosgene derivatives, and small quantities of specialty or custom chemicals, also were manufactured by VDM over the years, most or all of which involved reacting chlorine or phosgene as the principle raw material.

Based on VDM's reasonable inquiry and present knowledge, since 1951, VDM has not used as a raw material or manufactured as a product any of the following: PCBs, heavy metals (specifically including lead, copper or zinc), organochlorine pesticides, dioxins, furans, or polycyclic aromatic hydrocarbons ("PAHs").

2c. If your Company has leased any portion of the property to another entity, please identify the entity, the nature of its operations, and provide copies of any leases.

Response: Except for the operations of VanChem within the VDM Facility from the early 1980s until 1999, VDM has not leased any portion of the VDM Facility to another entity.

2d. Provide copies of any maps, property plans, or floor plans, both current (if still in operation) and past, of each property. The floor plan should depict all drainage sumps, above-ground and below-ground discharge piping, and above-ground and underground storage tanks.

<u>Response</u>: <u>See</u> documents attached hereto, at tab 2. VDM is producing a representative sample of the plans and maps; additional versions can be produced upon further request.

2e. Provide any historic photographs including aerial photographs and photographs showing construction, industrial or commercial processes, outfalls, and indoor and outdoor storage of materials or products.

Response: See documents attached hereto, at tab 2.

2f. Provide copies of all reports, information, or data you have related to the geology, soil, water (ground, surface, and storm water), air and the overall environmental conditions at each property.

Response: See 2011 Phase II Environmental Site Assessment by Environ for the VDM Facility. See also index of additional reports reflecting subsurface sampling and analytical data for the VDM Facility, copies of which will be produced upon further request.

3. List all hazardous substances and industrial wastes that are or were used, stored, generated, handled, or received by each property identified in your response to question 2. Be as specific as possible in identifying each chemical or waste stream, and provide, among other things, the chemical name, brand name, chemical content, and the process it was used for at each property. State when and what volume or weight of each hazardous substance and industrial waste was used, stored, generated, handled, or received at each property.

Response:

<u>See</u> documents attached hereto, at tab 3. <u>See also</u> responses to Question Nos. 3(c) and 4.

Based on VDM's reasonable inquiry and present knowledge, since 1951, VDM has not generated as a manufacturing production waste any of the following: PCBs, heavy metals (specifically including copper, lead, and zinc), organochlorine pesticides, dioxins, furans, or PAHs.

3a. Provide copies of all Material Safety Data Sheets and Right-to-Know Notices for raw materials used at each property.

Response:

Attached to this response, at tab 3, is a list of all current Material Safety Data Sheets that VDM maintains at the VDM Facility, copies of which will be produced upon further request.

3b. Describe how each hazardous substance or industrial waste was stored at each property (e.g. underground storage tanks, above-ground storage tanks, etc.). Provide a map indicating the location where these substances were stored.

Response:

See documents attached hereto, at tab 3.

In addition to the VanChlor landfill, waste management facilities located at the VDM Facility include: ST-26 90 day hazardous waste storage tank; 90 day waste storage areas located at C-10, B-7 and B-6; Satellite accumulation areas located at

B-7, Lab (3), D-1, D-3 (2), Hot Oil Room, Dike Dk-5, and C-1 (2); and Elementary neutralization units PT-100, PT28, and NT.

3c. Explain in detail the manner of transportation or disposal of the hazardous substances and industrial wastes generated, handled, treated, or stored at each of the properties. Provide the names and addresses of all transporters and disposal facilities used for each type of hazardous substance or industrial waste generated. State when each transporter and disposal facility was used and identify the total volume or weight of material that was transported or disposed of by that entity. Provide copies of all documents that relate to your answers above, including but not limited to, invoices, manifests, hazardous substances, hazardous and industrial waste data and analyses or characterizations, contracts, and agreements with transporting, treatment, storage, or disposal facilities.

Response:

<u>See</u> documents attached hereto, at tab 3. Silicon carbide powder reportedly was sold as a byproduct to various steel companies at various times prior to 1982. Waste limestone reportedly was reused off-site as a driveway filler, during at least a portion of the period from 1951-1988.

More recent transportation and disposal of hazardous substances and industrial wastes, for the period from 1999 to 2012, is reflected in the hazardous waste manifest logs maintained by the plant, copies of which are produced herewith; the manifests will be produced upon request. These manifests are characteristic of the types of industrial wastes that were generated, and transporters and disposal locations that were used, during the period from the early 1980s until 1998.

Based on VDM's reasonable inquiry and present knowledge, since 1951, VDM has not transported or disposed of the following manufacturing production wastes: PCBs, heavy metals (including lead, copper and zinc), organochlorine pesticides, dioxins, furans, or PAHs.

4. State whether any hazardous substances and industrial wastes were ever released, discharged, or disposed of either intentionally or unintentionally at each property identified in your response to question 2. Your answer should address, but not be limited to, instances in which any volume of hazardous substances or industrial wastes were spilled, leaked, or caught fire from drums, tanks, or any other containers. For each release identified in your response to this question:

Response:

Possibly since 1951 and continuing to the present time, VDM has used non-contact cooling water contained in a closed loop system in its phosgene and silicon tetrachloride processes, and to cool the temperature controllers and a Meyers mixer in the pilot lab. VanChem used non-contact cooling water to cool its scrubber system from the early 1980s until 1990. VDM (and VanChem when it operated at the plant) discharged this non-hazardous non-contact cooling water to Eighteen Mile Creek throughout their period of operation at the VDM Facility, possibly as early as the 1950s, and pursuant to a NPDES/SPDES permit from the 1990s to 2008.

Stormwater at the VDM Facility was historically discharged to the Creek, through drains located throughout the property until the early 1990s, when the drains were covered, the property regraded, and stormwater began to be managed as sheet runoff under a No Exposure Certificate and SPDES exemption.

For the period from 1951-1982, silicon tetrachloride sludge waste was drummed and disposed at the nearby VanChlor Landfill. From 1982 until silicon tetrachloride production ended in 1985, silicon tetrachloride sludge waste was drummed and disposed off-site.

During the period of silicon tetrachloride production, VDM generated a silicon tetrachloride effluent by passing water through a scrubber to cleanse emissions consisting of silicon tetrachloride, hydrochloric acid and chlorine, rendering the water a dilute hydrochloric acid. The silicon tetrachloride effluent then was neutralized by passing it over limestone before discharge. VDM believes this effluent was discharged to Eighteen Mile Creek until an unknown date prior to 1980, after which the effluent was discharged to the sewer until production

ended in 1985. Although a drawing from April 1984 indicates this effluent was still being discharged to Eighteen Mile Creek, VDM believes the drawing is incorrect.

Prior to 1988, effluent from the phosgene production process was neutralized with limestone and discharged to the municipal sewer. The phosgene effluent consisted of water that was used to treat emissions in the scrubber, and was converted to a dilute hydrochloric acid prior to its own neutralization. In the mid-1980s, an on-site pretreatment facility was constructed, and caustic from air and process scrubbers associated with VanChem (and later VDM) production of chloroformates and isocyanates was neutralized with acid before being discharged to the municipal sewer. In the early 1990s, carbon treatment of the phosgene, chloroformate, and isocyanate effluents was added, before its discharge to the municipal sewer.

As part of the phosgene production process, spent carbon catalyst is neutralized by running water through it and then disposed as a non-regulated solid waste. Historically the waste carbon catalyst was disposed on-site as fill or off-site in drums; since the 1980s the waste carbon catalyst has been disposed off-site in drums. Improvements in the catalyst component of the process were implemented in 1988/1989 that resulted in a ten fold reduction in the volume of waste carbon catalyst.

According to the EDR report and NYSDEC documents, 19 releases have been reported with respect to the VDM Facility, including: spills of 5 pounds of isopropyl chloroformate (1989), 100 gallons of ethylene glycol (1991), 20 gallons of #2 fuel oil (1992), 18 gallons of unknown petroleum (1992), 1/2 gallon of #2 fuel oil (1994), 150 gallons of hydrochloric acid (1995), 150 gallons of ethylene glycol and 20 gallons of chlorobenzene (1996), 300 gallons of ethyl acetate (1997), 10 pounds of diethylamine (1997), 100 pounds of phosphorous (1998), 25 pounds of MTBE (2004), 10 pounds of chlorobenzene (2006), and 197 pounds of toluene (2009); releases to the air of phosgene (1991), diethylamine (1997), and propargyl chloroformate (1999); a release of nitrophenol chloroformate during a fire (1993);

an unregulated release from on-site sources to the sanitary sewer (1994); and a leak of acid into secondary containment (1994). All of these releases were addressed and received regulatory closure, although some were also referred to other programs.

There are no underground storage tanks presently at the VDM Facility. An approximately 500-1,000 gallon fuel oil UST was removed from the southern portion of the property in 1991. The tank was replaced with a 500 gallon No. 2 fuel oil above ground storage tank with secondary containment.

In 2006, VDM discovered an historic release of coal tar below the surface and above the bedrock within the VDM Facility. See Response to Question 5(b) for further information.

4a. Identify when and how each release event occurred.

Response: See documents attached hereto, at tabs 3 and 4, and response to Question 4.

4b. Identify the composition of each of the materials released, including the chemical content, characteristics, and form (solid, liquid, sludge, or gas), and the quantity of each material released.

Response: See documents attached hereto, at tabs 3 and 4, and Response to Question 4.

4c. Describe the method of release (spill, fire, leak, discharge, etc.) and how the material was containerized (if at all) at the time of release. Describe what response actions, if any, were taken to address these releases.

Response: See documents attached hereto, at tabs 3 and 4, and Response to Question 4.

4d. Identify the locations at the property where each release/disposal occurred. Please enclose a map indicating the release/disposal location.

Response: See documents attached hereto, at tabs 3 and 4.

4e. If hazardous substances were disposed into drains or drainage areas, describe the nature and the approximate quantity of those wastes disposed each month, and the location to which those wastes drained.

Response: See documents attached hereto, at tabs 3 and 4.

4f. If any of the substances released into the environment from your Company's properties were treated prior to release, describe the treatment process, the years during which treatment occurred, quantities of substances treated, the chemical composition of discharged treated substances, and whether discharges were continuous or intermittent.

Response: See documents attached hereto, at tabs 3 and 4.

4g. If your Company or one of your Company's contractors, lessees, tenants, or agents ever contacted, provided notice to, or made a report to EPA, the New York State Department of Environmental Conservation, Niagara County, the City of Lockport, or any other government entity concerning an incident, accident, spill, release, or other event, provide copies of all communications between your Company and that government entity.

Response: See documents attached hereto, at tabs 3 and 4, and Response to Question 4.

5. Describe any environmental response actions (e.g. soil excavation, groundwater treatment, etc) performed at any of the properties identified in your response to question 2

and provide any documents concerning the response action. Identify the location, dates, and the results of all analyses or tests performed for each response action.

Response:

A. VanChlor Landfill Closure

From 1957 until 1982, VDM disposed of solid wastes generated during the former production of silicon tetrachloride at the VanChlor landfill, a 2.5 acre landfill site located near the VDM Facility on Mill Street. The silicon tetrachloride sludge waste was disposed in 55 gallon drums into trenches filled with limestone and backfilled to grade at the landfill site. Waste disposal at the landfill ended in 1982.

In 1988, VDM closed the VanChlor Landfill in accordance with a NYSDEC-approved Closure Plan that required placement of a final cover system consisting of 2 feet of clean clay, overlain by a drainage layer of sand and loam, and topped with vegetative growth. See documents attached at tab 5. VDM received a post-closure monitoring permit, which required it to monitor the landfill for 30 years. Ownership of the VanChlor landfill, and responsibility for the future operation, maintenance and monitoring under the NYSDEC permit, was transferred to VanChlor in 1999.

B. Coal Tar Remediation

During groundwater monitoring activities conducted in October and November 2006 at the VDM Facility, DNAPL was detected in one of the downgradient monitoring wells at the VDM Facility. Based on PAH concentrations in the DNAPL, the material was identified as coal tar. VDM recovered DNAPL from the well in January 2007, removing approximately 3.5 gallons of material. During subsequent monitoring of the well, further DNAPL was not detected. In 2011, Environ, as part of a Phase II investigation of the VDM Facility, installed a deeper well to evaluate whether coal tar had migrated vertically; however, no

evidence that coal tar migrated through the Power Glen Shale bedrock formation, to the Whirlpool Sandstone below, was found.

VDM never used, handled or stored coal tar at the VDM Facility. Based on a review of historical sources, VDM identified a coal tar pitch storage tank, depicted in a 1919 Sanborn map, as a probable source of the coal tar release. Fifteen soil borings were advanced in June 2010 in the area northwest of the phosgene production building, in the approximate location of the former pitch tank. Excavation of coal tar-contaminated soils in this area was completed in July 2011, under NYSDEC oversight.

In addition, a visual reconnaissance of the VDM Facility in January 2007 led to the discovery of solidified coal tar materials seeping from the ground along the toe of the steep hill south of the developed area of the VDM Facility. VDM removed solidified coal tar residuals from these seep areas in June and August 2007 and in October and November 2008, under NYSDEC oversight.

VDM entered into a consent order with NYSDEC and is implementing a corrective action program pursuant to RCRA to address the historical tar releases at the VDM Facility. <u>See</u> documents attached hereto, at tab 5.

C. Lead Excavation

Several environmental assessments and investigations conducted at the VDM Facility revealed that soil located under a paved area between two buildings used as maintenance shops in the central portion of the plant contain lead and polycyclic aromatic hydrocarbons. The lead and PAHs present at the VDM Facility were at concentrations above the NYSDEC soil cleanup objectives. Gnarus Advisors LLC prepared an Interim Corrective Measures Workplan ("ICM"), the objective of which was to remove soil containing lead and PAHs above the restricted use industrial SCOs, to the extent the soil was accessible. The excavation was completed in September 2012, and a closure report is being prepared at this time. See documents attached hereto, at tab 5.

6. Identify all individuals who currently have or had responsibility for the environmental matters (e.g. responsibility for the disposal, treatment, storage, recycling, or sale of the Company's hazardous substances or industrial wastes) at the properties identified in your response to question 2. Provide each individual's job title, duties, dates performing those duties, supervisors for those duties, current position, and the nature of the information possessed by such individuals concerning the Company's waste management.

Response:

Individuals who currently have or had responsibility for the environmental matters at the VDM Facility include Chris Banach (Environmental Manager since 2011), Pamela Cook (Environmental Manager from 2007-2011), and Matt Barmasse (Environmental Manager from 1988-2007).

Prior to Matt Barmasse, the production managers were responsible for environmental matters at the VDM Facility. During that period, the individuals who filled that role included Allan VanDeMark, Harry Sherriff, and Norm Matthews.

7. Provide copies of all local, state, and federal environmental permits applied for or issued with respect to any property identified in your response to question 2. Provide copies of all notices of violations, or administrative or judicial complaints filed by federal, state, county, or municipal governments and their regulatory agencies as well as copies of all judicial complaints filed by other persons, including corporate entities or public interest groups, concerning permit violations.

Response: See documents attached hereto, at tab 7.

8. Has your Company or any affiliate, contractor, or individual associated with your Company been a party to any litigation, either as plaintiff or defendant, that involved liability for contamination of or from any of the properties identified in your response to

question 2? If yes, identify the litigation, describe the nature of your Company's involvement in the litigation, and provide a copy of the pleadings and any final order.

Response:

Neither VDM nor, to the best of VDM's knowledge, any affiliate, contractor or individual associated with VDM has been a party to any litigation that involved liability for contamination of, or from, the VDM Facility.

9. Has your Company or any affiliate, contractor, or individual associated with your Company been accused of any criminal violation in connection with the operations at any of the properties identified in your response to question 2? If yes, describe the nature of the proceeding and provide copies of documentation associated with the proceeding.

Response:

Neither VDM nor, to the best of VDM's knowledge, any affiliate, contractor or individual associated with VDM has been accused of any criminal violation in connection with the operation of the VDM Facility.

10. If applicable, describe the closure of each facility located at the properties identified in your response to question 2. Your answer should include, but not be limited to, when the closure of the facility occurred, how waste material was disposed of, and whether any waste material was left onsite.

Response: See Response to Question 5.

11. List all current or prior owners that you are aware of for each property identified in your response to question 2. If known, identify and provide copies of any documents of the following information for each prior owner:

Response:

Prior owners of the VDM Facility include United Industrial Fibre Company (late 1890s until 1919), Niagara Lead Company (1928 until 1934), and Niagara Chlorine Products Corporation (1934 until 1951).

Over the years, the City of Lockport has used eminent domain to acquire portions of the facility, for purposes of constructing roads, after which the property was then deeded back to VDM.

11a. the dates of ownership and operations conducted at such times;

Response:

United Industrial Fibre Company operated a pulp company at 1 North Transit Road, Lockport, NY from the late 1890s until at least 1919. Niagara Lead Company leased and occupied a building in the western portion of the VDM Facility as early as 1928 until 1934 for the salvaging of lead products. In 1934, Niagara Chlorine Products Corporation occupied the western portion of the VDM Facility and the property to the north for the manufacture of chlorine products. In 1951, the VanDeMark family acquired certain assets of Niagara Chlorine Products Corporation, including the VDM Facility, and subsequently began operations as VDM.

See also Response to Question 2.

11b. any corporate affiliation between your Company and each such prior owner;

Response:

There is no corporate affiliation between VDM and any prior owner or operator of the VDM Facility. Although VDM, Milward Alloys, and VanChlor were commonly owned and operated at one time by the VanDeMark family, VDM is not presently related or affiliated in any way with Milward Alloys, or VanChlor. VDM is not owned by any VanDeMark family member. None of VDM's current shareholders own any interest in Milward Alloys or VanChlor. None of VDM's officers or directors serve in any similar capacity as officers or directors for Milward Alloys or VanChlor. The only existing connection between VDM and Milward Alloys or VanChlor is an arms-length chlorine supply agreement between VDM and VanChlor. In addition, VDM does not possess any records relating to Milward Alloys or VanChlor.

11c. release of hazardous substances and industrial waste at each property during the period of ownership.

<u>Response:</u> See response to Question 5(b) and (c)

12. Identify any current or previous insurance policies that may indemnify you or your Company against any liability that you or any entity may incur in connection with the release of hazardous substances or industrial waste at the Site. Please provide a copy of the policy. For any policy that you cannot locate or obtain, provide the name of the carrier, years in effect, nature and extent of coverage, and any other relevant information you have.

Response: See documents attached hereto, at tab 12.

13. Supply any additional information that may be used to identify additional sources of information or parties involved with the Site.

Response:

There are several listings for off-site facilities within applicable ASTM search radii. A number of facilities appear on databases indicating potential contamination concerns, especially including the manufacturing facilities of the Harrison Division of General Motors Corporation, the Lockport Waste Water Treatment Plant, and an FMC manufacturing facility. Other potential facilities of interest include Norton Labs, Twin Lakes Chemical, and J.H. Products. VDM may supplement its responses to this RFI on a later date with information that identifies parties that may be involved with the Site.

14. State the name, title, and address of each individual who assisted or was consulted in the preparation of the response to this Request for Information.

Response: In addition to counsel for VDM, Chris Banach, Environmental Manager, Angela Muir, Process Safety and Environmental Engineer, and Michael Kucharski, Chief

> Executive Officer, all from VDM, assisted with or were consulted in the preparation of the responses to this RFI.

State whether any documents provided in response to this Request for Information **15**. have been claimed or marked confidential.

No documents have been marked "confidential." Response:

Very truly yours,

Ju. a. Kahandi Vandemark Chemical

Mike Kucharski

Oma/Doc # 01-2603192.4

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of New York

County of Niagara

Notary Public

10.111 V 1 1.

I certify under law that I have personally examined and am familiar with the information and all documents submitted in response to EPA's Request for Information, and based on my personal inquiry or my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that I am under a continuing obligation to supplement my response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company response thereto should become known or available to the company.

Michael H. Kuchovdo	4
Name (print or type)	
Prosident = CEO	
Title (print or type)	
M. Ce 15 whoushi	_
Signature	
Sworn to before me this 16th day of November, 2012.	ANN MARIE WERTH
han Ware Worth	Notary Public, #tate of New York Qualified in Niagara County My Commission Expires 0(-22-20)

State of New York } Department of State }

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

CERTIFICATE OF INCORPURATION

01

Van De Mark Chemical Company, Inc.

Pursuant to Article 2 of the Stock Corporation Law.

We, the undersigned, for the purcose of forming a corporation pursuant to article 2 of the Stock Corporation Law of the State of New York, do serrby certify:

FIRST: The name, of the promosed corporation shall be Van De Mark Chemical Company, Inc.

SECUMB: The purcoses for which it is to be

formed are:

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To subscribe for, underwrite, purchase, or otherwise acquire, become interested in, neel in and with, invest in, hold either as principal or agent and absolutely as owner or by way of collateral security, and to sell, mortgage, pledge, or otherwise dismose of or turn to account or realize upon all forms of securities, including stocks, bonds, debentures, notes, evidences of incobtedness, certificates of indebtedness, certificates of interest, carticipation certificates, voting trust certificates and certificates evidencing shares of interest in common law trusts, trusts and trust estates or associations, certificates of trust or beneficial interests in trusts, nortgages and other instruments, securities, and rights, excenting bills of exchange, and to issue in exchange therefor, or in payment thereof, its own stocks, bonds, or other obligations or securities or otherwise pay therefor, and generally to do any and all acts and tigings for the preservation, protection, improvement and enchangement in value thereof or designed to accomplish any such purpose.

To purchase or otherwise acquire and to hold, wown, manage, improve, lease, sell, exchange, mortgage or otherwise dispose of or deal in real estate and to construct, build, manage, and operate buildings, stores, apartments, notels, factories,

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plants, farms and other industries for such consideration as the directors may deem just and proper, and to pay therefor in cash and/or in the paid-up shares or other securities of this or any other commany.

To manufacture, purchase or otherwise abduire, own, mortgage, pledge, sell, assign, and transfer, or otherwise dispose of, to invest, trace, deal in and deal with, goods, weres, and merchandise and real and personal property of every class and description.

To acquire, and may for in cash, stock or bonds of this corporation or otherwise, the good will, rights, assets and property, and to undertake or assume the whole or any part of the obligations or liabilities of any person, firm, association or corporation engaged in a similar business.

To apply for, obtain, register, nurchase, lease, or otherwise acquire and hold, own, use, operate, introduce and sell, assign or otherwise disnos of any and all trademarks, formulae, secret process, tradenames, brands, distinctive marks, copyrights and all inventions, improvements, and processes used in connection with or secured under letters patent or otherwise, of the United States or of any other country, and any governmental grants, or concessions; and use, exercise, develop grant licenses in respect of or otherwise turn to account any and all such trademarks, patents, licenses, concessions, processes and the like, or any such property, rights and information so acquired.

To issue bonds, debentures or obligations of this corporation from time to time, for any of the objects or purposes of the corporation, and to secure the same by mortgage, pledge, deed of trust or otherwise.

To purchase, hold, sell and transfer the shares of its own capital stock; provided it shall not use its funds or property for the purchase of its own shares of capital stock when such use would cause any impairment of its capital; and provided further that shares of its own capital stock belonging to it shall

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not be voted upon directly or indirectly.

To have one or more offices, to corry on all or any of its operations and business and without restriction or limit as to amount to purchase or otherwise acquire, hold, own, mortgage, sell, convey, or otherwise dispose of real and personal property of every class and descriction in any of the States, Eistricts, Territories or Colonies of the United States, and in any and all foreign countries, subject to the laws of such State, District, Territory, Colony or Country.

To carry on the business of developing electronic, radionic rader controls and devices.

Making, purchasing and selling all goods of which rubber or synthetic rubber is a component part, and the various materials entering into the manufacture of any and all such goods, and also the acquiring and disposing of the right to make and use such goods, and materials, and the duing and transacting all acts, business and things incident to or relating to or convenient in carrying out its business as aforesaid, which are authorized by law.

To buy, sell, import, export, prepare for market, trade and deal in crude rubber, halata, gutte percha, and kindred products; also, reclaimed rubber, cured and uncured scrap rubber, etc.

p To manufacture, sell or otherwise dispose of any products made of rubber, synthetic rubber, or any rubber composition either synthetic or natural, plastic or plastic composition, pr any article in which rubber or plastic in any form or combination is used.

To develop and use atomic energy in any manner in which it may be developed or used either independently or in conjunctions with some other object, material or substance manufactured or otherwise now known or which may hereafter be discovered.

To manufacture, buy, sell, import, export, trade in all types of chemicals and all gas producing materials, to generate

produce, buy, sell; trade, deal in use cases in portable cylinders, or other metal containers, and to manufacture, buy, sell, and deal in all machinery apparatus devices appliances, fittings and accessories or conveniences for the use of such gases in any manner; also to manufacture or otherwise deal in all metallurgical, electrometallurgical chemical and electro-chemical products and compounds, including any ane all elementary substances and any and all alloys and compounds thereof.

To engage in any business, whether manufacturing or otherwise, which may seem advantageous or useful in connection therewith, and to manufacture, market or prepare for market any article or thing which the commany uses in connection with its business.

In general to carry on any other similar business in connection with the foregoing, whether manufacturing or otherwise, and to have and exercise call the newers conferred by the laws of the State of New York upon cornections formed under the act hereinafter referred to, and to do any or all of the things hereinbefore set forth to the same extent as natural persons might or could do.

The foregoing clauses shall be construed both as objects and powers; and it is hereby expressly provided that the foregoing enumeration of specific powers shall not be held to limit or restrict in any manner the powers of this corporation.

THIRD: The total number of snares which may be issued by the corporation is two hundred shares, all of which are to be without par value.

Such shares without par value may be issued from time to time for such consideration as from time to time may be fixed by the Board of Directors.

FOURTH: The capital of the corporation shall be at least equal to the sum of the aggregate par value of all issued shares having par value, clus the aggregate amount of consideration received by the corporation for the issuance or shares with-

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out mar value, plus such amounts as from time to time by resolution of the Board of Directors may be transferred thereto.

FIFTH: The office of the corporation is to be located at Lockport, Niegara County, New York, and the address to which the Secretary of State shell mail among of process in any action or proceeding against the corporation, which may be served upon him, is Lockport, County of Niegara, and State of New York.

SIXTH: The duration of the corporation shall be perpetual.

SEVENTH: The number of directors shall be three. The directors need not be stockholders.

EIGHTH: The names and post-office addresses of the directors, until the first annual meeting of the stockholders are:

NAMES

POST-OFFICE ADDRESSES

ALLAN W. VAN DE MARK, 25 Maple Street, Lockport, New York.

PHYLLIS B. VAN DE MARK, 28 Maple Street, Lockport, New York.

FRANCES H. BECK, 479 #illow Street, Lockport, New York.

NINTH: The names and post-office addresses of each subscriber of this certificate of incorporation and a statement of the number of shares of stock which each agrees to take in the corporation are:

NAMES

POST-OFFICE ADDRESSES

O. OF SHARES

ALLAN W. VAN DE MARK, 28 Maple Street, Lockport, New York. 1
PHYLLIS B. VAN DE MARK, 28 Maple Street, Lockport, New York. 1
FRANCES H. BECK, 479 Willow Street, Lockport, New York. 1

TENTH: All of the subscribers of this certificate of incorporation are of full age, at least two-thirds of them are ecitizens of the United States, at least one of them is a resident of the State of New York, and at least one of the persons named as a director is a citizen of the United States and a resident of the State of New York.

ELEVENTH: The Secretary of State of New York to

hereby designated as the agent of the corporation upon whom pro cess in any action or proceeding against it may be served, ' TWELFTH: The meetings of the Board of Directors shall be held only within the State of New York. IN WITNESS SHESEOF, we have made, signed, and acknowledged this certificate this. 15 day of STATE OF NEW YORK: COUNTY OF NIAGARA: CITY OF LOCKPORT: SS: on this is day of may me, the subscriber, personally appeared ALLAN W. VAN DE MARK, PHYLLIS B. VAN DE MARK and FRANCES H. BECK, to me personally known and known to me to be the same persons described in and who executed the foregoing instrument, and they severally duly acknowledged to me that they executed the same. W. ALFRED BRIM-Reg. No. 144 Notary Public in the State of New York ng in Mayine Co. at time of Appointer v Cerimitation Ecoires March 10, 1953

Van De Hark Westerl Commons, Inc. STATE OF NEW YORK
DEPARTMENT OF STATE FILLY FUE & 40. T FILED JUN 8-1951 . 10

State of New York | ss. Department of State |

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

CERTIFICATE OF MERGER

CERTIFICATE OF MERGER OF TITAN CHEMICAL COMPANY, INC.
AND VAN DEMARK CHLORINE PRODUCTS, INC., into
VAN DEMARK CHEMICAL COMPANY, INC., UNDER
SECTION 904 OF THE BUSINESS CORPORATION LAW.

We, Allan W. Van DeMark and Phyllis B. Van DeMark, being respectively President and Secretary of Van DeMark. Chemical Company, Inc., President and Secretary of Titan Chemical Company, Inc. and Van DeMark Chlorine Products, Inc. respectively, do hereby certify that, pursuant to the plan of merger, said corporations have mutually agreed to, and hereby do, unite and merge into a single corporation under the name of Van DeMark Chemical Company, Inc., pursuant to Section 904 of the New York Business Corporation Law.

The date when the certificate of incorporation of said Van DeMark Chemical Company, Inc. was filed by the Department of State of New York was June 8, 1951. The date when the certificate of incorporation of the said Titan Chemical Company, Inc. was filed by the department

of State of New York was November 16, 1953. The date when the certificate of Van DeMark Chlorine Products, Inc. was filed by the Department of State of New York was November 1, 1951. Van DeMark Chemical now has 3 shares of Capital Stock outstanding, all of which is common stock and fully entitled to vote. Titan Chemical now has 3 shares of Capital Stock outstanding, all of which is common Stock and fully entitled to vote. Van DeMark Chlorine now has 50 shares of Capital Stock outstanding, all of which is common stock and fully entitled to vote.

A plan of merger was initially agreed upon among the afficers and directors of the above-named constituent corporations and was authorized and approved by all stockholders.

It will be noted from the above that VanDeMark Chemical Company, Inc. will be the surviving corporation when this merger becomes effective.

Such plan is to become effective immediately upon the filing of this Certificate of Merger by the

Department of State of New York, and the surviving comporation shall have, thereupon and thereafter, such additional rights, powers, and liabilities, as are conferred or imposed by Section 906 of the Business Corporation Law and by the terms and conditions of the said merger plan. IN WITNESS whereof, the parties hereto have executed . this agreement and affixed the seals of the respective corporations this 20th day of Junes 1969. VAN DEMARK, CHEMICAL COMPANY, INC. Corporate Scal TITAN CHEMICAL COMPANY, INC. Corporate Seal VAN DEMARK CHLORINE PRODUCTS, INC. Corporate

STATE OF NEW YORK COUNTY OF NIAGARA ALLAN W. VAN DEMARK, being duly sworn deposes and says that he is the President of Van DeMark Chemical Company. Inc. and Titan Chemical Company, Inc. and Van DeMark Chlorine Products, Inc. respectively, that he has read the foregoing Certificate of Merger and knows the contents thereof and that the statements therein are true. That he was duly authorized by each of the aforesaid corporations to sign the said Certificate. Sworn to before me this 20th day of June, 1,969

SHAREHOLDER APPROVAL OF MERGER We, the undersigned, holders of the number of shares of the common stock of Van DeMark Chemical Company, Inc. eet opposite our respective names, which shares in the aggregate constitute the entire outstanding stock of the Van DeMark Chemical Company, Inc., do hereby consent to the merger of Titan Chemical Company, Inc. and Van DeMark Chlorine Products, Inc. into Van DeMark Chemical Company, Inc., upon the terms and provisions of the Agreement of Merger dated June 20, 1969. Dated: June 20, 1969 Name of Stockholders

SHAREHOLDER APPROVAL OF MERGER WITHOUT A FORMAL MEETING

We, the undersigned, holders of the number of shares of the common stock of Van DeMark Chlorine Products, Inc. set opposite our respective names, which shares in the aggregate constitute the entire outstanding stock of Van DeMark Chlorine Products, Inc., do hereby consent to the merger of Titan Chemical Company, Inc. and Van DeMark Chlorine Products, Inc. into Van DeMark Chemical Company, Inc., upon the terms and provisions of the Agreement of Merger dated June 20, 1969.

Dated: June 20, 1969

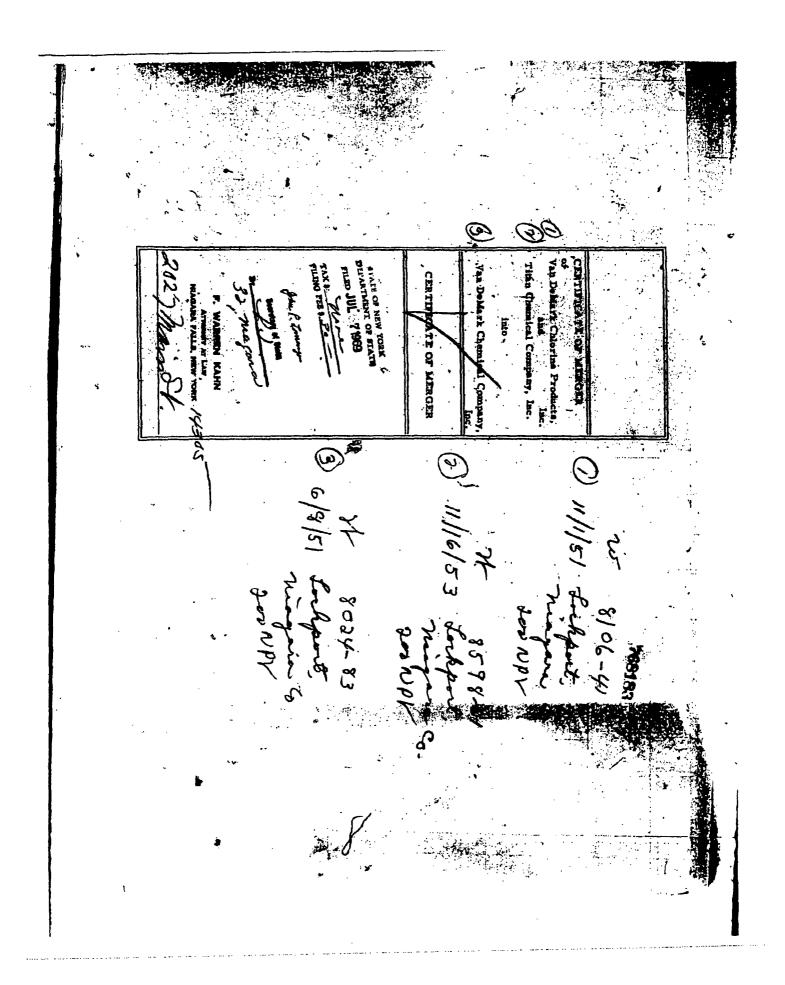
Name of Stockholders

Number of Shares

Allan W. Van DoMark

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SHAREHOLDER APPROVAL OF MERGER We, the undersigned, holders of the number of shares of the common stock of Titan Chemical Company, Inc. set opposite our respective names, which shares in the aggregate constitute the entire outstanding stock of Titan Chemical Company, Inc. , do hereby consent to the merger of Titan Chemical Company, Inc. and Van DeMark Chlorine Products. Inc. into Van DeMark Chemical Company, Inc., upon the terms and provisions of the Agreement of Merger dated June 20, 1969. Dated: June 20, 1969 Name of Stockholders Number of Shares



State of New York } ss: Department of State }

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

CERTIFICATE OF INCORPORATION

OF

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the Business Corporation Law

WE, THE UNDERSIGNED, being the President and Secretary of VAN DE MARK CHEMICAL COMPANY, INC., do hereby certify:

- 1. The name of the corporation is VAN DE MARK CHEMICAL COMPANY, INC.
- The Certificate of Incorporation was filed by the Department of State on June 8, 1951.
- 3. The Certificate of Incorporation is hereby amended to change the authorized shares of the corporation from shares having no par value to shares having a par value of \$100 per share, and to increase the number of shares which the corporation is authorized to issue from 200 shares to 3,000 shares.
- 4. To accomplish the foregoing, Article THIRD of the Certificate of Incorporation, which states the authorized capital stock of the Corporation, is amended to read as follows:

"THIRD: The aggregate number of shares which the corporation shall have authority to issue is 3,000 having a par value of \$100 each."

5. The foregoing amendment provides for a change of issued shares. The number and kind of shares changed is Two Hundred (200) shares of common stock without par value, of which

ALBRECHT, MAGUIRE. HEFFERN & GREOG BUFFALO, N.Y.

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three are issued shares; the number and kind of shares resulting from such change is Two Hundred (200) shares of common stock having a par value of \$100 each, of which three will be issued shares. The terms of the change are that each of the presently authorized common shares without par value shall be changed into one share of the common shares having a par value of \$100 each, authorized by this certificate, so that after the filing of this certificate, the corporation will have three issued shares and (with the additional 2,800 common shares authorized by this certificate) 2,997 unissued common shares having a par value of \$100 each.

6. The foregoing amendment was authorized by the unanimous written consent of the holders of all outstanding shares entitled to vote thereon.

IN WITNESS WHEREOF, the undersigned have signed this certificate and affirmed the same as true under the penalties of perjury the 7th day of March , 1979.

Allan B. Van De Mark, President

Achanna Shotell, Secretary

ALBRECHT, MAGUIRE. HEPFERN & GREGO BUFFALO, N. Y.

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

VAN DE MARK CHEMICAL COMPANY, INC.

STATE OF NEW YORK DEPARTMENT OF STATE

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FILING FIE \$
TAX \$
COPY \$
CERT \$
REFUND \$

ALBRECHT, MAGUIRE, HEFFERN & GREGG, P.C. SUITE 2110, MAIN PLACE BUFFALO, NEW YORK 14202

State of New York | ss.
Department of State |

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the **Business Corporation Law**

The undersigned, Richard O. Shotell, being the President and Dirk A. Van De Mark, being the Secretary of VAN DE MARK CHEMICAL COMPANY, INC., do bareby certify:

The name of the corporation is VAN DEMARK CHEMICAL COMPANY,

INC

The Certificate of Incorporation of the corporation was filed by the Department of State of the State of New York on June 8, 1951.

- The Certificate of Incorporation of the corporation is hereby amended to:
- Change the authorized shares of the corporation from three thousand (3,000) common shares with a par value of \$100.00 per share to three thousand (3,000) common shares with a par value of \$1.00 per share of which thirty (30)

shares shall be Voting common shares with a par value of \$1.00 per share and two

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thousand nine hundred seventy (2,970) shares shall be Non-Voting common shares with a par value of \$1.00 per share;

- (b) Fix the designation and the relative rights, preferences and limitations of the shares of each class; and
- (c) Change each of the presently authorized common shares with no par value per share into .01 authorized Voting common shares with a per value of \$1.00 per share, and .99 authorized Nou-Voting common shares of the par value of \$1.00 per share.

To effect such amendment, Article 4 of the Certificate of Incorporation is hereby amended to read in its entirety as follows:

"4. The total number of shares which the corporation shall have authority to issue is three thousand (3,000) shares, of which thirty (30) shares shall be Voting common shares with a par value of \$1.00 per share, and two thousand nine hundred seventy (2,970) shares shall be Non-Voting common shares with a par value of \$1.00 per share.

The powers, preferences, rights, qualification, limitations or restrictions of thic Voting common shares and the Non-Voting common shares are as follows:

I. Generally. Except as herein otherwise expressly provided, all Voting common shares and Non-Voting common shares shall be identical and shall entitle the holders thereof to the same rights, and privileges.

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- Yotine Rights. Except as otherwise provided by law:
- (a) The entire voting power for the election of directors and for all other purposes shall be vested exclusively in the helders of the Voting common shares, and the holders of the Non-Voting common shares shall not be smidled to vote at any greeting of shareholders or otherwise or to receive notice of any meeting of shareholders. Each Voting common share of the corporation shall be emitted to one vote.
- (h) The Non-Voting common shares shall not be included in determining the number of shares voting or entitled to vote on any matters to be voted on by the shareholders of the corporation.
- Dividend Rights. When and as dividends are declared thereon, whether payable in cash, in property or in securities of the corporation, the holders of Voting common shares and Non-Voting common shares shall be entitled to share equally, share for share, in each dividends, except that if dividends are declared which are payable in Voting common shares or Non-Voting common shares, dividends shall be declared which are payable at the same rate on each class of shares and the dividends payable in shares of Voting common shares shall be payable to holders of that class of shares and the dividends payable in shares of Non-Voting common shares shall be payable to holders of that class of shares. If the corporation shall in any manner subdivide or combine the outstanding shares of one class of common shares, the outstanding shares of the other class of common shares shall be proportionately subdivided or combined.
- 4. (a) The 1079.84 presently authorized and issued common shares with a par value of \$100.00 per share of the corporation shall be changed into 10.7984 authorized and issued Voting common shares with a par value of \$1.00 per share and 1069.0416 authorized and issued Non-Voting common shares with a par value of \$1.00 per share on the basis of .01 Voting common share and .99 Non-Voting common shares for each presently authorized and issued common share.

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(b) The 1920.16 presently authorized and finitioned common shares with.

a par value of \$1.00 per share of the corporation shall be changed into 19.2016 authorized and unissued Voting common shares with a par value of \$1.00 per share and 1900.9584 authorized and unissued Non-Voting common shares with a par value of \$1.00 per share on the basis of .01 Voting common shares and .99 Non-Voting common shares for each presently authorized and unissued Voting common shares.

5. The foregoing amendment of the Certificate of Incorporation was authorized by the Board of Directors of the corporation followed by the written consent of the holders of all of the outstanding shares of the corporation entitled to vote the roon. affirmed it as true under possities of perjuty this 30th day of April, 1999.

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0512000 5a5 CERTIFICATE OF **AMENDMENT** Oľ Filed by: Khristine E. Peacock
Accelerated Information & Document Filing,
9) State Street, Suite \$36
Albany, New York 12207 COSTOMER REFERENCE #: 177 9905120005/7

State of New York } ss: Department of State }

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

CERTIFICATE OF MERCI

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VAN DE MARK

CHEMICAL COMPANY, INC.

(Under Section 904 of the New York Business Corporation Law)

It is hereby certified on behalf of each of the constituent corporations herein named, as follows:

FIRST: The Board of Directors of each of the constituent corporations has duly adopted a plan of merger setting forth the terms and conditions of the merger of said corporation.

SECOND: The name of the constituent corporation which is to be the surviving corporation, and which is hereinafter sometimes referred to as the "surviving constituent corporation," is VAN DE MARK CHEMICAL COMPANY, INC. The date upon which the cartiflette of incorporation of the surviving constituent corporation was filed by the Department of State is June 8, 1951.

THIRD: The name of the other constituent corporation which is being merged into the surviving constituent corporation, and which is hereinafter sometimes referred to as the "merged constituent corporation. is VANCHEM, INC. The date upon which the certificate of incorporation of the merged constituent corporation was filed by the Department of State is January 6, 19 83.

FOURTH: As to each constituent corporation, the plan of merger sets forth the designation and number of outstanding shares of each class and series, the specification of the classes and series entitled to vote on the plan of merger, and the specification of each class and series entitled to vote as a class on. the plan of merger, as follows:

VAN DE MARK CHEMICAL COMPANY, INC

Designation of each outstand-	Number of outstanding	Designation of class and	Classes and
ing class and series of shares	shares of	series enti- tled to vote	tied to vote
Common Common	10.7984 1,069.0416	Voting Non-Voting	None . None

VANCHEM, INC. Designation of Number of Designation each outstandoutstanding of class and series entishares of ing class and series entitled to vote series of shares each class tled to vote as a class 20 Common Voting None Non-Voting Common 1,980 None FIFTH: The merger have in certified was authorized in respect of the constituent corporations by the written consent of the holders of all outstanding shares of the corporations entitled to vote on the Plan of Merger in accordance with section 615 of the Business Corporation Law of the State New York.

2000. and do hereby affirm, trader the penalties of perjury, that the statements contained th VANCHEM, IN Title: chaire VANDEMARK CHEMICAL COMPANY, INC.

NEW YORK TAX WSSUMPTION UPON MERGER

QUARANTEE AND ASSUMPTION

VANDEMARK CHEMICAL CO. INC., a corporation organized under the laws of the State of New York, does hereby guarantee that it will file, or cause to be filed, all tax returns requiring of VANCHEM INC., a corporation organized under the laws of the State of New York, and does acreby assume the liability for and guarantee the payment of all taxes accrued and owning by said Corporation.

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per a mount of the symmetry of the following

VANDEMARK, CHEMICAL CO. INC.

Name: Thing Malfour

Atlest

[Corporate Seal]

Stephen D. Krumer, Secretary

Stephen D. Politici, decreary

STATE OF NEW YORK

) 85.:

COUNTY OF NEW YORK)

I, the undersigned, a Notary Public, do bereby certify that on the day of December 1999, personally appeared before me to Thistory MALTROOT, being first duly awom by merand acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are maken.

IN WITNESS WHEREOF, I have hereigned set my band and seal the day and year before written

Thierry OFLESALLE

Notary Public

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State of New York } ss.

Department of State }

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

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CERTIFICATE OF AMENDMENT

QE.

THE CERTIFICATE OF INCORPORATION

OF

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the Business Corporation Law.

I, Stephen D. Kramer, Secretary of VAN DE MARK CHEMICAL COMPANY, INC.,

hereby certify:

- 1. The name of the Corporation is VAN DE MARK CHEMICAL COMPANY, INC.
- 2. The Certificate of Incorporation was filed in the Office of the Socretary of State at

Albany, New York on the 8th day of June, 1951.

3. A Certificate of Merger has been filed, effective January 1, 2000, with respect to the

Corporation.

4. The Certificate of Incorporation is amended as authorized by Section 801 of the

Business Corporation Law to change the Corporation's name.

5. To effect the foregoing, ARTICLEFIRST relating to the name is amended to read as

follows:

FIRST: The name of the Corporation is: VanDeMark, Inc.

	•	*•	•	
6. The am	endment of the Cortific	ate of Incorporation	was authorized by the aff	irmative
vote of the Board of Din	ectors followed by the	written consent of	the sole shareholder	:
•		The contract of the contract o	od shall be the 3 rd day of	, . Yaansaas
2000.	·	. :		·
		•	•	
IN WITH	ess whereof, th	6 Certificate has be	en subscribed this 22	·
December, 1999 by the ur	idersigned who hereby	affirms that the state	Subscribed this &Z	Mary of
penalty of perjury.	V	Section of the code Service	menus made herein are (n	icunder ·
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		ephon D. Kramer	came	* * * * * * * * * * * * * * * * * * *
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000103000 W74 CERTIFICATE OF AMENDMENT VAN DE MARK CHEMICAL COMPANY, INC. . Under Section 805 of the Business Corporation Law FILED JAN 0 3 2000 PAVIA & HARCOURT 600 Madison Av. 12th Fl. New York, NY Cust. Ref#528652GIR **B**RAWDOWN

State of New York } Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

0000000

48-61-2000 14:36.

1-000301000820

CERTIFICATE OF AMENDMENT

OF THE

CERTIFICATE OF INCORPORATION

CSC 48

OF

VANDEMARK, INC.

4Under Section 805 of the Business Corporation Law

The undersigned, Stephen D. Kramer, being Secretary of VANDI MARK, INC

hereby certify:

F. The name of the Corporation is VANDEMARK, INC.

The name under which the Corporation was formed was Van De Mark Chemical

Company, Inc.

2. The Certificate of Incorporation was filed in the Office of the Secretary of State at Albany, New York on the 8th day of June, 1951.

3. The Certificate of Incorporation is amended as authorized by Section 801 of the Business Corporation Law to:

Increase the authorized shares of the corporation from Three Thousand (3,000) common shares with a par value of One (\$1.00) Dollar per share of which Thirty (30) shares are Voting common shares with a par value of One (\$1.00) Dollar and Two Thousand Nine Hundred and Seventy (2,970) shares are Non-Voting common shares with a par value of One (\$1.00) Dollar to Tea.

Thousand (10,000) common shares with a par value of One (\$1.00) Dollar per share of which One.

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CSC 45

CERTIFICATE OF AMENDMENT

OF

VANDEMARK, INC.

Under Section 805 of the Business Corporation Law

FILED BY:

PAVIA & HARCOURT

600 Madison AV.

12th

Cubi. R. France & 10022

State of New York } State of New York } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

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CERTIFICATE OF AMENDMENT

OF

THE CERTIFICATE OF INCORPORATION

OF

VANDEMARK, INC.

(Under Section 805 of the Business Corporation Law)

1, Stephen D. Kramer, Secretary of VANDEMARK, INC., hereby certify:

- 1. The name of the Corporation is VANDEMARK, INC.
- 2. The Certificate of Incorporation was filed in the Office of the Secretary of State at Albany, New York on the 8th day of June, 1951 under the name VAN DE MARK CHEMICAL COMPANY, INC..
- The Certificate of Incorporation is amended as authorized by Section 801 of the Business Corporation Law to change the Corporation's name
- 4. To effect the foregoing, ARTICLE FIRST relating to the name is amended to read as follows:

FIRST: The name of the Corporation is: ISOCHEM INC.

5. The amendment of the Certificate of Incorporation was authorized by the affirmative vote of the Board of Directors followed by the written consent of the sole shareholder.

IN WITNESS WHEREOF, this Certificate has been subscribed this 10th day of February, 2004 by the undersigned who hereby affirms that the statements made herein are true under penalty of perjury.

Stephen D. Kramer Secretary

5000

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CERTIFICATE OF AMENDMENT

OF

VANDEMARK, INC.

Under Section 805 of the Business Corporation Law

FILEB FEB 1 2 2004

FILED BY:

PAVIA & HARCOURT LLP 12th Floor 600 Madison Avenue New York, NY 10022 Cust. Ref#435170HXM

258

N. Y. S. DEPARTMENT OF STATE DIVISION OF CORPORATIONS AND STATE RECORDS

ALBANY, NY 12231-0001

FILING RECEIPT

ENTITY NAME: VANDEMARK CHEMICAL INC.

DOCUMENT TYPE: AMENDMENT (DOMESTIC BUSINESS)

COUNTY: NIAG

NAME

FILED:06/18/2007 DURATION:******* CASH#:070618000632 FILM #:070618000587

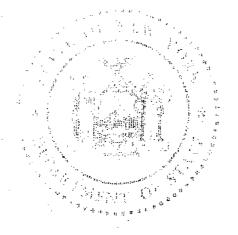
FILER

WILLKIE FARR & GALLAGHER LLP 787 SEVENTH AVENUE

NEW YORK, NY 10019-6099

ADDRESS FOR PROCESS:

REGISTERED AGENT:



SERVICE COMPANY: CORPORATION SERVICE COMPANY - 45 SERVICE CODE: 45

FEES	245.00	PAYMENTS	245.00
FILING	60.00	CASH	0.00
TAX	0.00	CHECK	0.00
CERT	0.00	CHARGE	0.00
COPIES	10.00	DRAWDOWN	245.00
HANDLING	175.00	OPAL	0.00
		REFUND	0.00
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953679KXK DOS-1025 (04/2007)

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State of New York }
Department of State }

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 18, 2007



() Office

Deputy Secretary of State for Business and Licensing Services

DOS-1266 (Rev. 03/07)

THE TH



CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

OF

ISOCHEM INC.

Under Section 805 of the New York Business Corporation Law

THE UNDERSIGNED, being a duly appointed and authorized officer of ISOCHEM INC. (the "Corporation"), a corporation organized and existing under the laws of the State of New York, for the purpose of amending the Certificate of Incorporation (as amended, the "Certificate of Incorporation") of the Corporation, hereby certifies as follows:

FIRST: The name of the Corporation is ISOCHEM INC.

SECOND: The Corporation was originally incorporated under the laws of the State of New York under the name VAN DE MARK CHEMICAL COMPANY, INC. and the original Certificate of Incorporation of the corporation was filed with the Department of State of the State of New York on June 8, 1951.

THIRD: The Certificate of Incorporation is amended as authorized by Section 801 of the New York Business Corporation Law to change the Corporation's name.

FOURTH: That the Certificate of Incorporation is hereby amended pursuant to Section 801 of the Business Corporation Law by deleting Article FIRST thereof in its entirety and inserting in lieu thereof the following:

"FIRST: The name of this corporation is: "VanDeMark Chemical Inc."

FIFTH: The amendment was approved by the unanimous written consent of the Board of Directors of the Corporation and by the sole stockholder of the Corporation and thereby duly adopted in accordance with the provisions of Section 708, 615 and 803 of the New York Business Corporation Law.

IN WITNESS WHEREOF, the undersigned has made and signed this Certificate of Amendment on 5000 15, 2007 and affirms the statements contained herein as true under penalties of perjury.

Name: Michael Kucharski Title: Chief Executive Officer N. Y. S. DEPARTMENT OF STATE DIVISION OF CORPORATIONS AND STATE RECORDS

ALBANY, NY 12231-0001

FILING RECEIPT

ENTITY NAME: VANDEMARK CHEMICAL INC.

DOCUMENT TYPE: RESERVATION (DOM. BUSINESS)

SERVICE COMPANY: CORPORATION SERVICE COMPANY - 45

SERVICE CODE: 45

APPLICANT NAME : LAUREN MAGNOTTI

FILED:04/19/2007 DURATION:06/19/2007 CASH#:070419000222 FILM #:070419000197

ADDRESS FOR PROCESS

REGISTERED AGENT

** SUBMIT RECEIPT WHEN FILING CERTIFICATE **

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FILER	FEES	45.00	PAYMENTS	45.00		
•	FILING	20.00	CASH	0.00		
•	TAX	0.00	CHECK	0.00		
LAUREN MAGNOTTI	CERT	0.00	CHARGE	0.00		
WILLKIE FARR & GALLAGHER LLP	COPIES	0.00	DRAWDOWN	45.00		
787 SEVENTH AVENUE	HANDLING	25.00	OPAL	0.00		
NEW YORK, NY 10019-6099			REFUND	0.00		
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VDM00050



CERTIFICATE OF AMENDMENT

OF

ISOCHEM INC.

Under Section 805 of the Business Corporation Law

1 C C

2007 JUN 81 MUL 1002

FILED BY:

WILLKIE FARR & GALLAGHER LLP 787 Seventh Avenue

New York, NY 10019-6099

Cust. Ref#953679KXK

DRAWDOWN

2007 JUN 18 AM 11: 06

REGENED

STATE OF NEW YORK DEPARTMENT OF STATE

FILED JUN 18 2007

TAXS____

637

DO NOT DETACH - THIS IS PAGE 1 OF BOOK 34 0 3 PAGE 0 0 6 8 RECORDED DOCUMENT

NIAGARA COUNTY CLERK RECORDING PAGE

OFFICE OF THE CLERK

COUNTY OF NIAGARA

WAYNE F. JAGOW, COUNTY CLERK

County Courthouse, 175 Hawley Street, P.O. Box 461, Lockport, NY 14095

Phone (716) 439-7027 Fax (716) 439-7066

INSTRUMENT DATE		•	
DOCUMENT TYPE Ovit Claim	<u>a</u>	 	
Parties: (Print Names In Full) 1st Part Isochem Inc. et al			
20d Part I so chem Inc. Town City Lockport			
Return To: Willkie Fair & Gallagher 787 Seventh Ave.		BOOK 3403 PA NUMBER OF PAG RECORDED 06/2 RECEIPT # 157 PAID - COUNTY WAYNE F. JAGO	GE 68 9 DEEDS 0/2007 11:26:49 A.M. 60 DOCUMENT TOTAL: \$227.00
Now York NY 10019			
THIS S	SPACE RESERVED FOR COUNT	Y CLERK	
MORTGAGE AMOUNT			
()One\two family ()Other [] Check if to be apportioned			
RECORDING TAX RECEIPT			14292
ADDITIONAL \$SPECIAL \$	State of New York) ss County of Niagara I do hereby certify that I have Received on the within Mortgage, being the amount of the Recording Tax Imposed thereon & paid at recording.		REAL ESTATE TRANSFER TAX S
Dated , 20			NIAGARA COUNTY

Mortgage Tax Clerk of Niagara County

This sheet constitutes the Clerk's endorsement required by section 319 of the Real Property Law of the State of New York

DO NOT DETACH

RECORD AND RETURN TO:

Willkie Farr & Gallagher 787 Seventh Avenue New York, New York 10019 Attn: Jeffrey Poss, Esq.

CONFIRMATORY QUITCLAIM DEED

Isochem, Inc., a New York corporation, successor by change of name and/or merger to Van De Mark, Inc., Van De Mark Chemical Co. Inc. (a/k/a Van De Mark Chemical Company, Inc.) and Vanchem Inc. (a/k/a Vanchem Co. Inc. and Van Chem Inc.) ("Grantor") having an address at 1 North Transit Road, Lockport, New York 14094, for and in consideration of Ten And No More Dollars (\$10.00 and no more), does hereby, as a matter of confirmation, remise, release and quitclaim to Isochem, Inc., a New York corporation ("Grantee") having an address at 1 North Transit Road, Lockport, New York 14094, its successors and assigns forever, all the following described real estate, situated in the County of Niagara, State of New York, together with the appurtenances and all the estate and rights of Grantor in and to said premises:

All those certain lots, pieces or parcels of land, situate, lying and being in the City of Lockport, County of Niagara and State of New York, bounded and described as follows:

SEE EXHIBIT "A"

TOGETHER with the benefits of and SUBJECT to the burdens of easements and all other instruments of record in the Niagara County Clerk's Office.

TOGETHER with all right, title and interest, if any, of Grantor in and to any land lying in the bed of any street, road or avenue opened or proposed, in front of or adjoining said parcel of land, to the center line thereof, and all right, title and interest of Grantor in and to any rights of way, highways, public places, easements, appendages, appurtenances, alleys, gores and strips of land adjoining said premises or any part thereof and now or hereafter used in connection therewith.

TOGETHER with all right, title and interest, if any, of Grantor in and to fixtures and improvements thereto.

3787046.3

THIS Deed is given for the sole purpose of consolidating the legal descriptions of real property owned by Grantor.

TO HAVE AND TO HOLD the premises herein granted unto Grantee, its successors and assigns forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that the Grantor will receive consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

800K3403 PAGE 0071

IN WITNESS WHEREOF, the Grantor has du	aly executed this deed as of, 2007.
	GRANTOR:
I	SOCHEM, INC., a New York corporation,
E	Name: MICHAEL A- KUCHARSKI

BOOK 3403 PAGE 0072

	OF NEW YORK	,
SIAI H.	1 JH NH VV Y 1 JK K	

) SS.:

COUNTY OF NEW YORK)

On the $\frac{14^{rh}}{1}$ day of June in the year 2007, before me, the undersigned, personally appeared Michael Kucharski, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public

Mal E. Servre Commission Expires 2/27/10 County of New York

EXHIBIT A
Legal Description

Issued By:

CHICAGO TITLE INSURANCE COMPANY

Schedule A (cont'd)

Na:

2703-30127

Schedule A Description (continued):

Parcel I:

All that tract or parcel of land situate in the City of Lockport, County of Niagara and State of New York being part of Lot 11, Section 15, Township 14 and Range 6 of the Holland Land Company's Survey, more fully bounded and described as follows:

Beginning at a point in the centerline of North Transit Street which is the west line of Lot 11, said point being located 266.00 feet southerly of the Intersection of Mill Street;

Thence N 89° 59' 55" E along the southerly line of Milward Alloys Inc. by Deed recorded in Liber 2660 at page 282, a distance of 326.12 feet to a point on the westerly line of a parcel of land conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2259 at page 282, parcel 1;

Thence N 10° 00' 00" W along the westerly line of a parcel of land conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2259 at page 282, parcel 1, a distance of 143.40 feet to a point in the centerline of Mill Street:

Thence S 67° 30' 00" E along the centerline of Mill Street, a distance of 834.67 feet to the intersection of the centerline of Portage Street (unimproved);

Thence S 79° 35' 12" W along the centerline of Portage Street, a distance of 766.89 feet to the intersection of the centerline of Gooding Street;

Thence N 72° 44′ 44″ W along the centerline of Gooding Street, a distance of 333.09 feet to the intersection of the centerline of North Transit Street;

Thence N 00 ° 00' 00" E along the centerline of North Transit Street, a distance of 218.00 feet to the place of beginning. Containing 5.871 acres more or less.

Page A - 2

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Issued By:

CHICAGO TITLE INSURANCE COMPANY

Schedule A (cont'd)

No:

2703-30127

Schedule A Description (continued):

Parcel II:

All that tract or parcel of land situate in the City of Lockport, County of Niagara and State of New York, being part of Lot 61, Section 15, Township 14 and Range 7 of the Holland Land Company's Survey, more fully bounded and described as follows:

Beginning at a point in the east line of Lot 61, being also the centerline of Transit Road, said point being 336.67 feet southerly of the intersection of the centerline of Mill Street, said point also being the southeast corner of a parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 2783 at page 348;

Thence S 00° 00' 00" W along the west line of Lot 61, a distance of 460.16 feet to the southeast corner of a parcel of land conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2968 at page 341;

Thence N 87° 26' 08" W along the southerly line of said Vanchem Co., Inc. parcel, a distance of 582.12 feet to the southwest corner of said Vanchem Co. Inc. parcel;

Thence N 00° 00' 00" W along the west line of said Vanchem Co. Inc. parcel, a distance of 245.21 feet to the northwest corner of said Vanchem Co. Inc. parcel;

Thence S 61° 36' 35" E along the northerly line of said Vanchem Co. Inc. parcel, a distance of 12.35 feet to a point on the west line of a parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77;

Thence N 04° 29' 30" E along the west line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77, a distance of 242.51 feet to the northwest corner of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77;

Thence S 89° 52' 30" E along the northerly line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77, a distance of 9.60 feet to the southwest corner of a parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301;

Thence N 00° 47' 30" E along the west line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301, a distance of 56.27 feet to the northwest corner of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301;

Thence N 90° 00' 00" E along the north line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301 and along the northerly line of a parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2551 at page 321, a distance of 421.39 feet to the northeast corner of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2551 at page 321;

Thence S 10° 14' 00" E along the easterly line of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2551 at page 321, a distance of 15.37 feet to the northwest corner of parcel conveyed to Vandemark Chemical Company. Inc. by Deed recorded in Liber 2784 at page 1;

thence N 89° 19' 40" E along the northerly line of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1, a distance of 14.39 feet to the northeast corner of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1;

Page A - 3

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Issued By:

CHICAGO TITLE INSURANCE COMPANY

Schedule A (cont'd)

No:

2703-30127

Schedule A Description (continued):

Thence S 00° 40′ 20" E along the easterly line of said parcel conveyed to Vandemark Chemical company, Inc. by Deed recorded in Liber 2784 at page 1, a distance of 81.49 feet to the southeast corner of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1, said point being on the southerly line of a parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 923 at page 153;

Thence N 90° 00' 00" E along the southerly line of said parcel conveyed to Milward Alloys, inc. by Deed recorded in Liber 923 at page 153, a distance of 21.35 feet to the northwest corner of a parcel conveyed to Milward Alloys, Inc. by Deed recorded in Liber 2783 at page 348;

Thence S 00° 00' 00" W along the west line of said parcel conveyed to Milward Alloys, inc. by Deed recorded in Liber 2783 at page 348, a distance of 6.84 feet to the southwest corner of said parcel conveyed to Milward Alloys, Inc by Deed recorded In Liber 2783 at page 348;

Thence N 90° 00' 00" E along the southerly line of said parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 2783 at page 348, a distance of 80.48 feet to the point or place of beginning.

Containing 6.940 acres more or less.

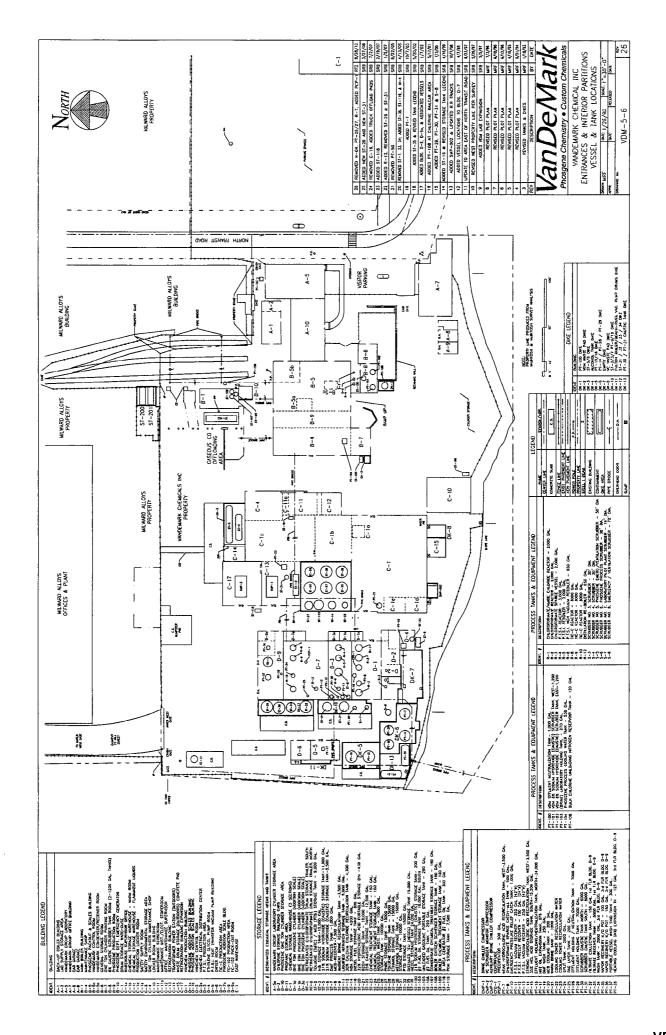
Together with and subject to the terms, covenants, conditions and easements set forth in an Agreement made by and between Niagara County Industrial Development Agency with Van De Mark Chemical Company Inc. et al recorded in Liber 2660 of Deeds at page 315 on July 1, 1996.

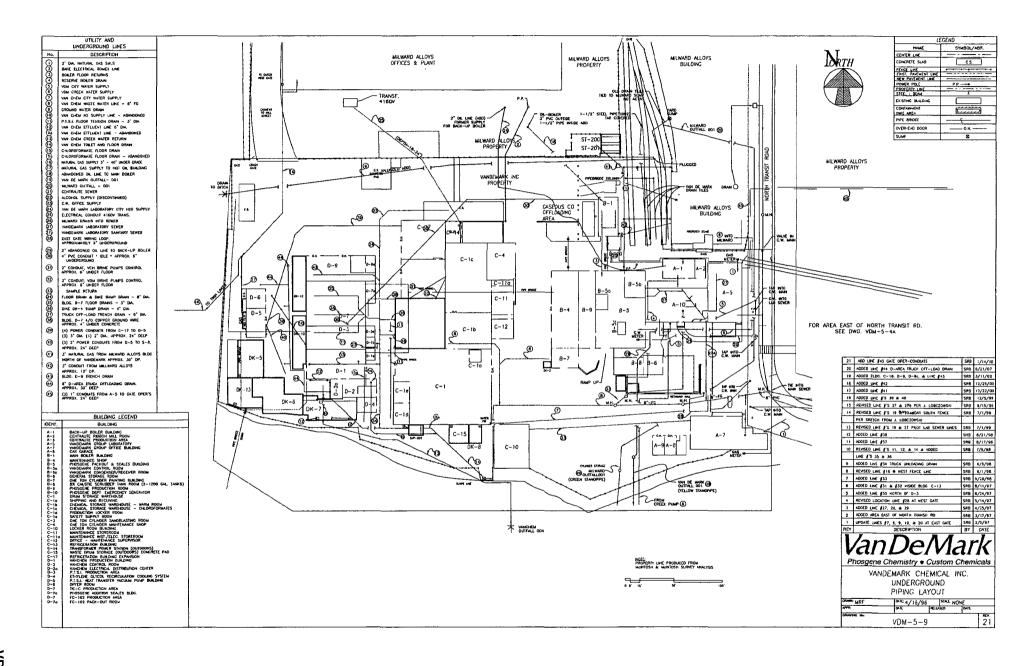
Page A - 4

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Van DE Mark

1 N Transit Rd Lockport, NY 14094

Inquiry Number: 3132954.4

July 25, 2011

FOR HISOMENIOPORADINA SOLUTION IN THE SOLUTION OF THE SOLUTION



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

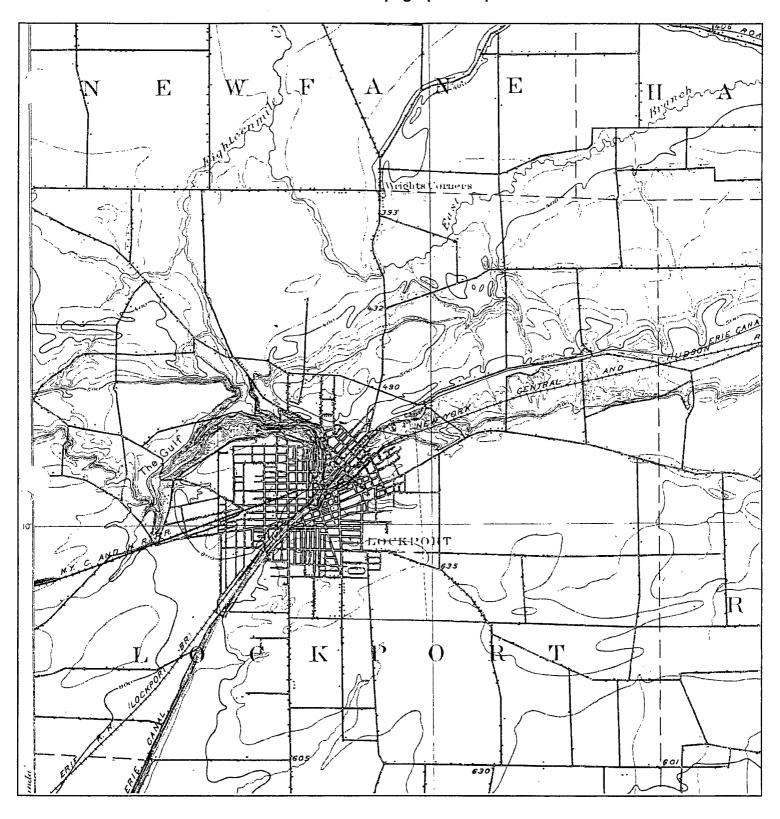
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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TARGET QUAD

LOCKPORT NAME:

MAP YEAR: 1897

SERIES: SCALE:

15 1:62500

SITE NAME: Van DE Mark 1 N Transit Rd ADDRESS:

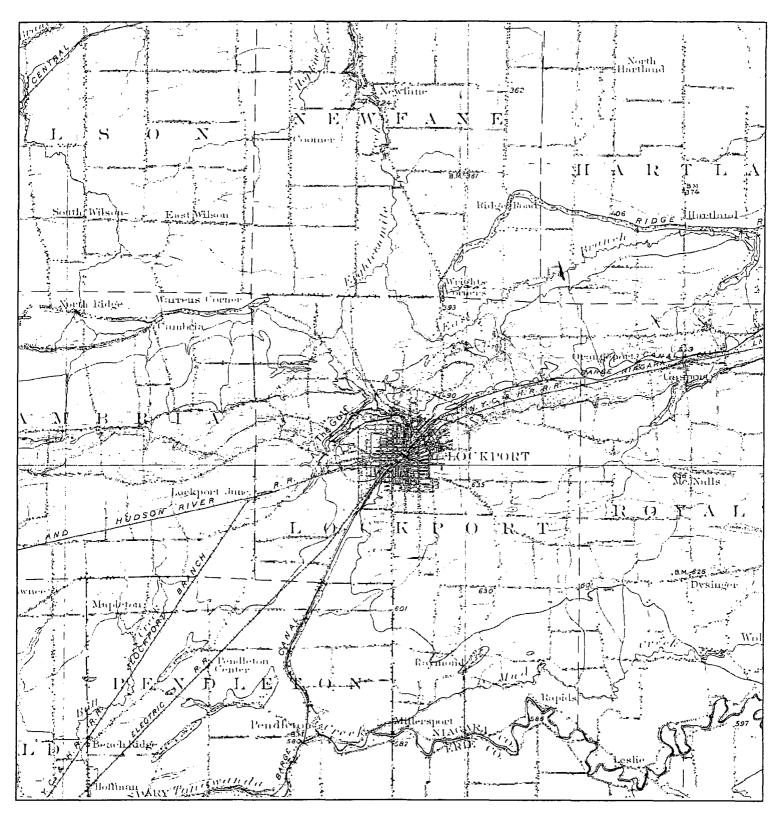
Lockport, NY 14094

LAT/LONG: 43.184 / -78.6973

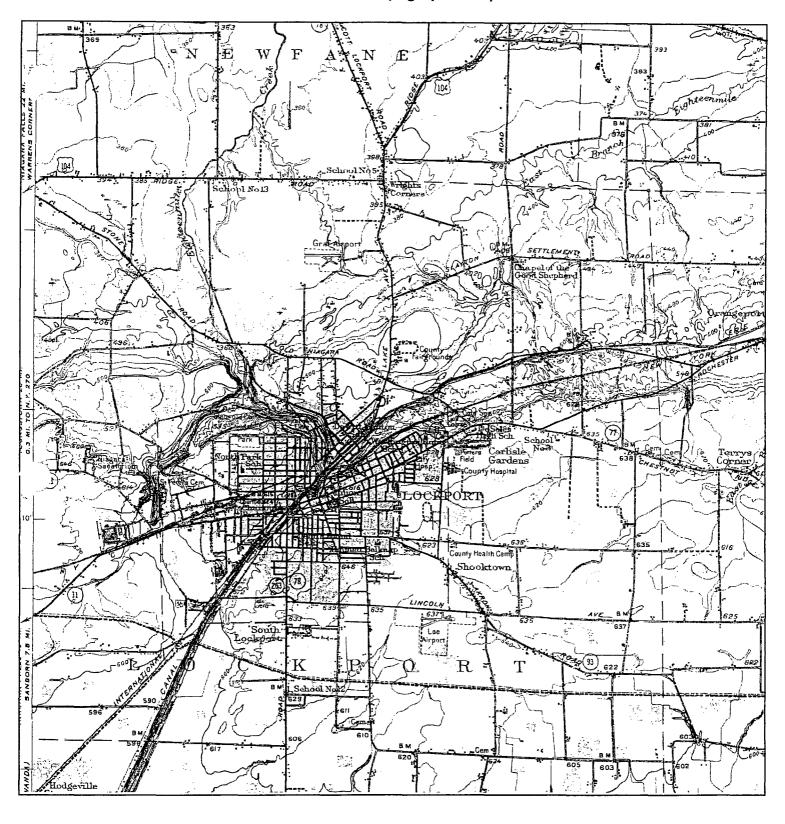
CLIENT: CONTACT: **Environ Corporation** Mariel Harvey

INQUIRY#: 3132954.4

RESEARCH DATE: 07/25/2011



TARGET QUAD SITE NAME: Van DE Mark CLIENT: **Environ Corporation** ADDRESS: 1 N Transit Rd CONTACT: NAME: NIAGARA Mariel Harvey MAP YEAR: 1899 INQUIRY#: Lockport, NY 14094 3132954.4 LAT/LONG: 43.184 / -78.6973 RESEARCH DATE: 07/25/2011 SERIES: 30 SCALE: 1:125000



TARGET QUAD

NAME: LOCKPORT

MAP YEAR: 1948

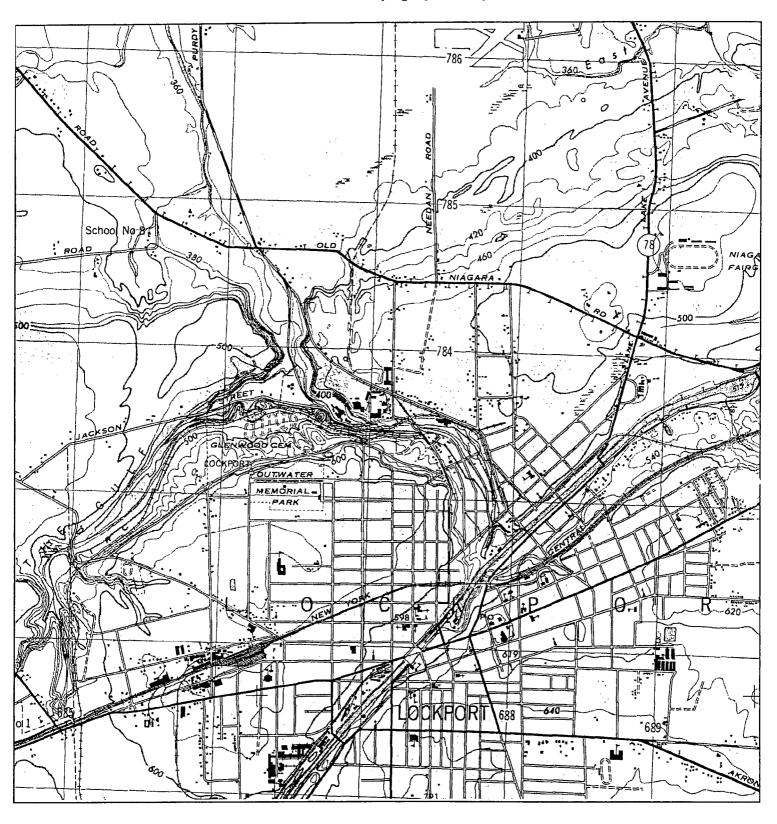
SERIES:

15 SCALE: 1:62500 SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd

Lockport, NY 14094

LAT/LONG: 43.184 / -78.6973 CLIENT: **Environ Corporation** CONTACT: Mariel Harvey

3132954.4 INQUIRY#: RESEARCH DATE: 07/25/2011



N T TARGET QUAD NAME: LOCKPORT

MAP YEAR: 1949

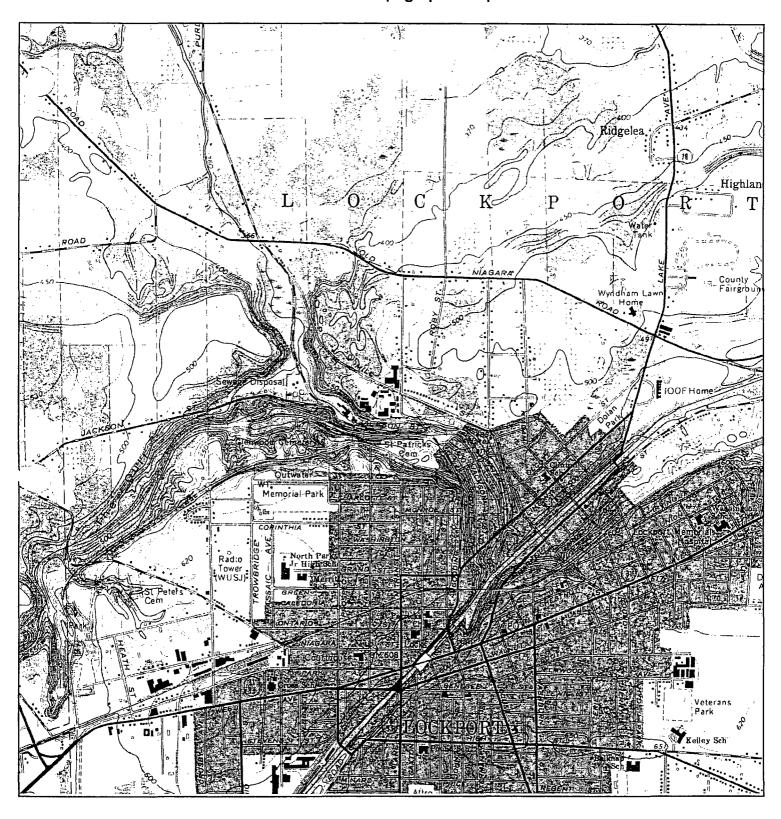
SERIES: 7.5 SCALE: 1:25000 SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd

Lockport, NY 14094

LAT/LONG: 43.184 / -78.6973

CLIENT: Environ Corporation
CONTACT: Mariel Harvey
INQUIRY#: 3132954.4

RESEARCH DATE: 07/25/2011



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TARGET QUAD

NAME: LOCKPORT

MAP YEAR: 1965

SERIES:

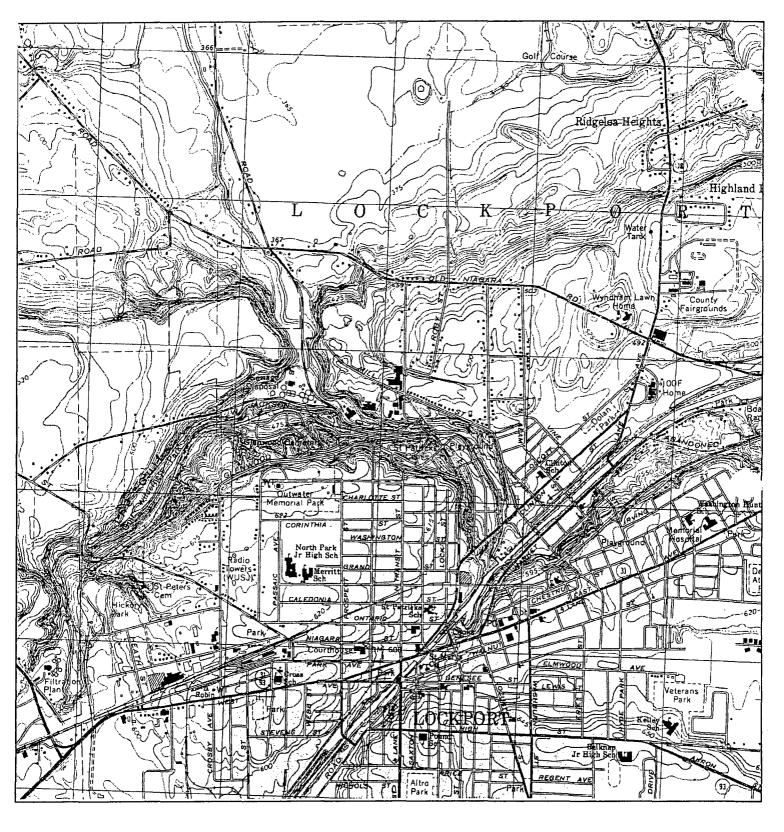
7.5 SCALE: 1:24000

SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd

Lockport, NY 14094

LAT/LONG: 43.184 / -78.6973 CLIENT: **Environ Corporation** CONTACT: Mariel Harvey

INQUIRY#: 3132954.4



N T TARGET QUAD

NAME: LOCKPORT

MAP YEAR: 1980

SERIES: SCALE:

7.5 1:25000 SITE NAME: Van DE Mark

ADDRESS: 1 N Transit Rd

Lockport, NY 14094

LAT/LONG: 43.184 / -78.6973

CLIENT: Environ Corporation

CONTACT: Mariel Harvey
INQUIRY#: 3132954.4
RESEARCH DATE: 07/25/2011

Appendix C.2
Aerial Photographs

Van DE Mark
1 N Transit Rd

Lockport, NY 14094

Inquiry Number: 3132954.5

August 01, 2011

The Europe Laborate Patherine



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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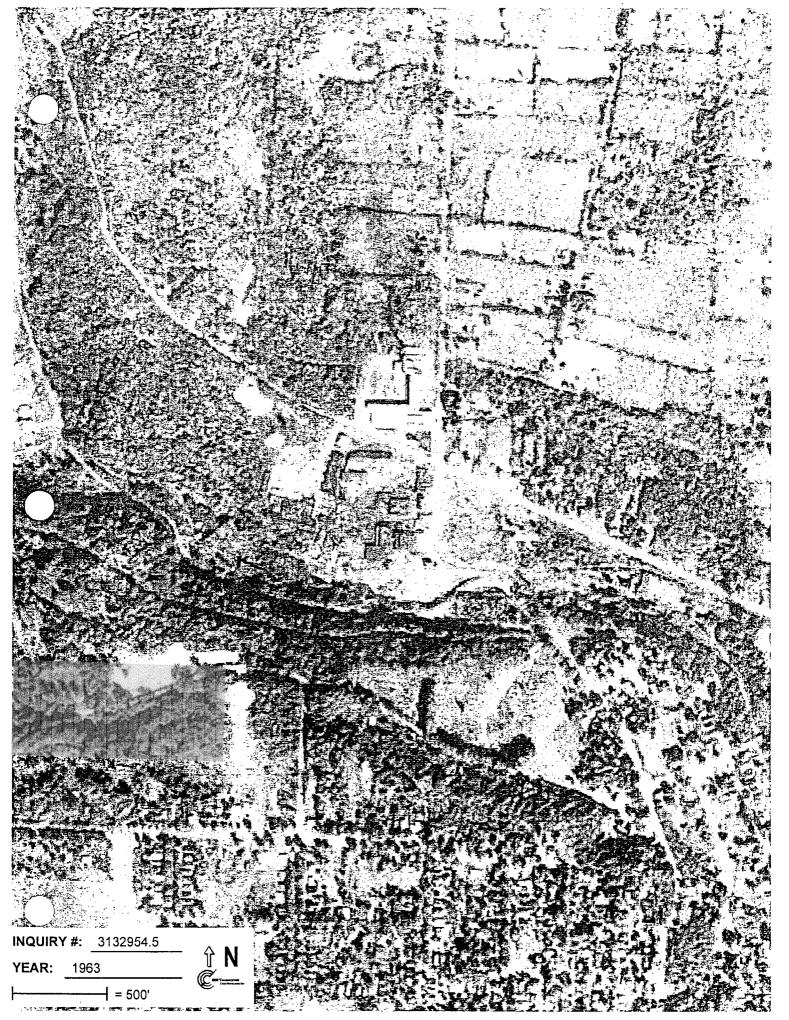
Date EDR Searched Historical Sources:

Aerial Photography August 01, 2011

Target Property:

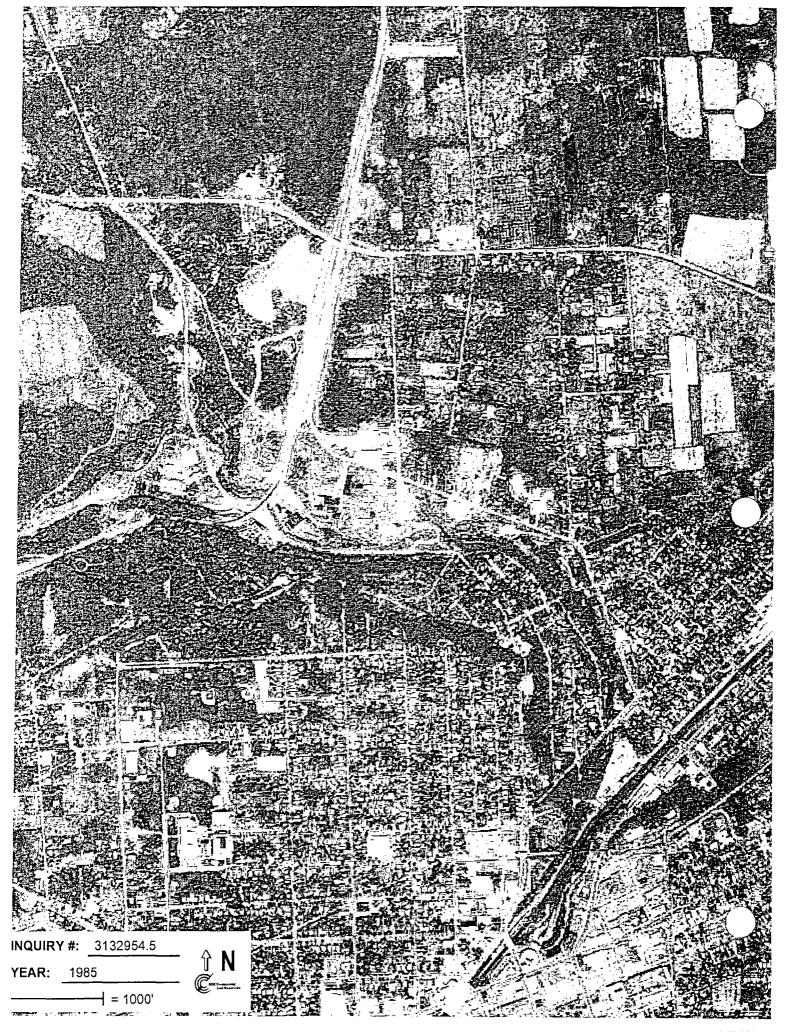
1 N Transit Rd Lockport, NY 14094

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1963	Aerial Photograph. Scale: 1"=500'	Panel #: 43078-B6, Lockport, NY;/Flight Date: September 24, 1963	EDR
1972	Aerial Photograph. Scale: 1"=500'	Panel #: 43078-B6, Lockport, NY;/Flight Date: May 13, 1972	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 43078-B6, Lockport, NY;/Flight Date: October 21, 1978	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 43078-B6, Lockport, NY;/Flight Date: May 03, 1985	EDR
1995	Aerial Photograph. Scale: 1"=604'	Panel #: 43078-B6, Lockport, NY;/Composite DOQQ - acquisition dates: March 28, 1995	EDR
2006	Aerial Photograph. Scale: 1"=604'	Panel #: 43078-B6, Lockport, NY;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=604'	Panel #: 43078-B6, Lockport, NY;/Flight Year: 2008	EDR

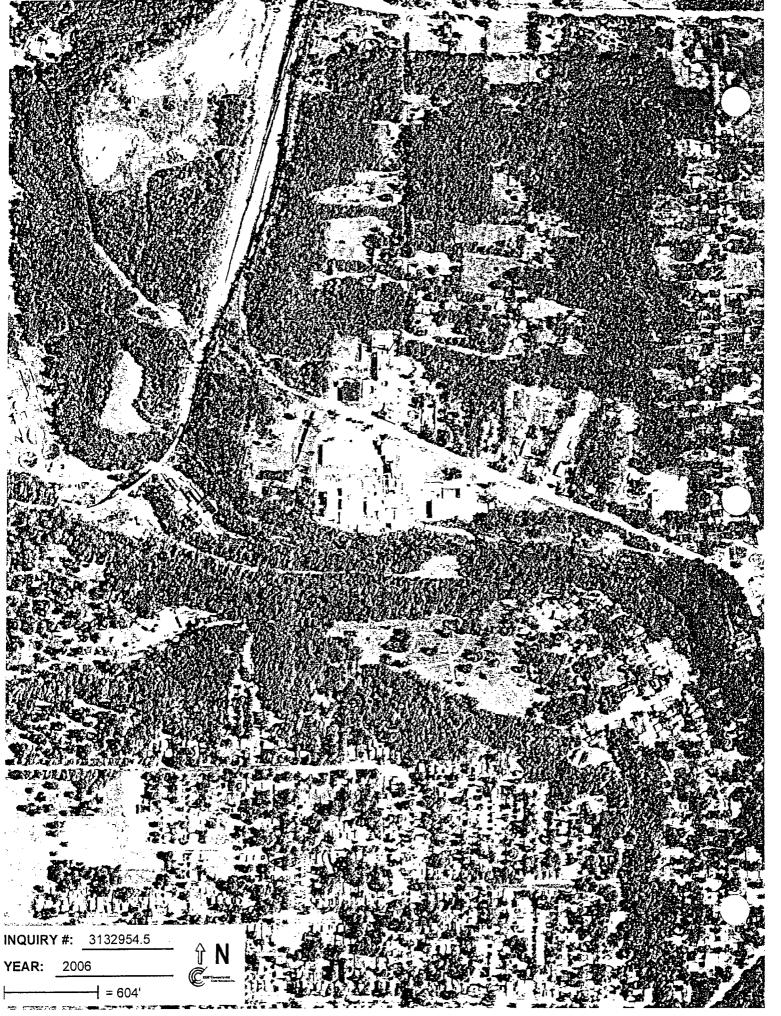


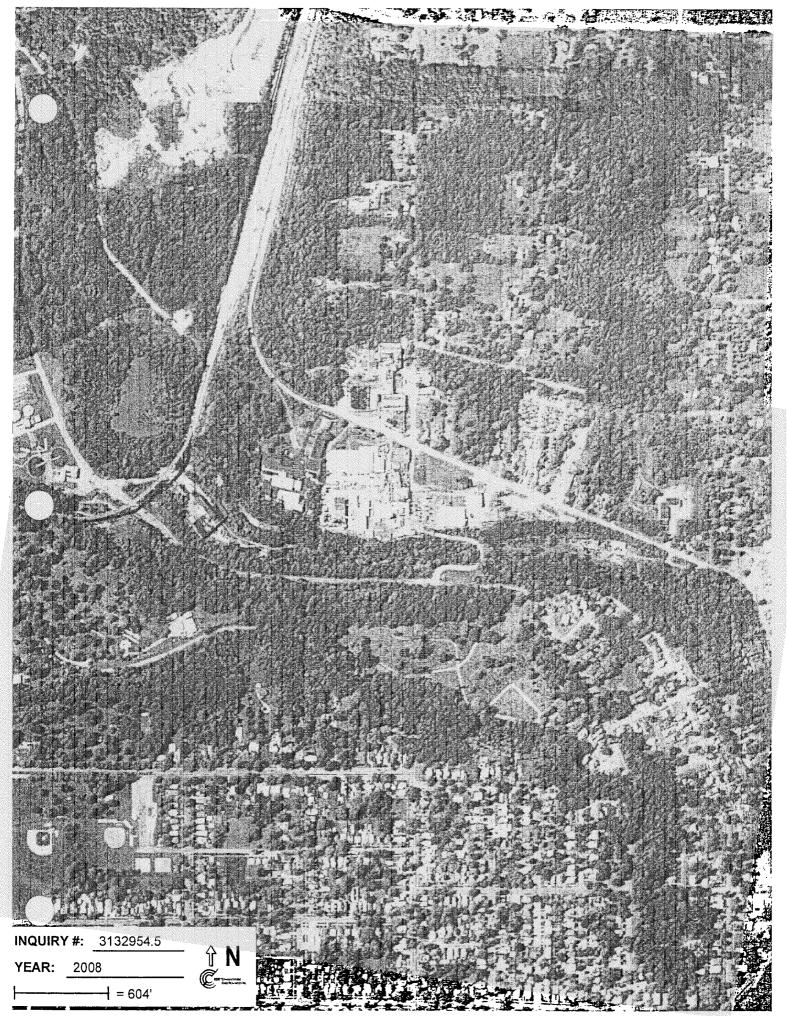












Appendix C.3
Abstract of City Directories

Van DE Mark
1 N Transit Rd
Lockport, NY 14094

Inquiry Number: 3132954.6

July 29, 2011

TING EDRECTLY DIRECTLY Abaticia



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edmet.com

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SECTION

Executive Summary

Findings

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
2010	Polk's City Directory	Х	X	X	-
2005	Polk's City Directory	Χ	X	X	-
2000	Polk's City Directory	Χ	X	X	•
1996	Polk's City Directory	Χ	X	X	-
1991	Polk's City Directory	Χ	X	X	-
1986	Polk's City Directory	Χ	X	X	-
1980	Polk's City Directory	Χ	X	X	-
1975	Polk's City Directory	Χ	X	X	-
1970	Polk's City Directory	Χ	Χ	Χ	-
1965	Polk's City Directory	Χ	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	<u>Type</u>	<u>Findings</u>
440 Mill St	Client Entered	
518 Mill St	Client Entered	
2 N Transit Rd	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1 N Transit Rd Lockport, NY 14094

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	Source
2010	Van De Mark Chemical Inc (industrial organic chems)	Polk's City Directory
2005	Isochem Inc	Palk's City Directory
	Van De Mark Chemical Inc (industrial organic chems)	Polk's City Directory
2000	Van De Mark Chemical Inc (industrial organic chems)	Palk's City Directory
1996	Van Chem	Palk's City Directory
	Van De Mark Chemical	Polk's City Directory
	Vanchlor (chem mfg)	Polk's City Directory
1991	Van De Mark Chemical	Polk's City Directory
	Vanchlor (chem mfg)	Polk's City Directory
1986	Van De Mark Chemical	Polk's City Directory
1980	Van De Mark Chemical	Palk's City Directory
1975	Van De Mark Chemical	Palk's City Directory
1970	Van De Mark Chemical	Polk's City Directory
1965	Titan Chemical Co	Palk's City Directory
	Van De Mark Chemical	Polk's City Directory

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Mill St

500 Mill St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Milward Alloys Inc (fndry)	Polk's City Directory
2005	Milward Alloys Inc (secondary smelting/refining)	Polk's City Directory
2000	Milward Alloys	Polk's City Directory
1996	Milward Alloys	Polk's City Directory
1991	Milward Alloys	Polk's City Directory

520 Mill St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Twin Lakes Chemical Inc (mfr)	Polk's City Directory
2005	Twin Lakes Chemical Inc (mfr)	Polk's City Directory
2000	Twin Lakes Chemical Inc	Polk's City Directory
1996	J H Products Inc (chem mfr/sls)	Polk's City Directory
	Twin Lakes Chemical Inc	Polk's City Directory
1991	Twin Lakes Chemical Inc	Polk's City Directory
1986	Lockport Assembly Co (pkg/assembly)	Polk's City Directory
	The Mill Store (fcty outlet)	Polk's City Directory
	Twin Lakes Chemical Inc	Polk's City Directory
1980	Expo Communications Inc	Polk's City Directory
	Lockport Assembly Co (pkg/assembly)	Polk's City Directory
	Lockport Products Inc	Polk's City Directory
	McGonigle & Hilger Roofing Inc	Polk's City Directory
	Twin Lakes Chemical Inc	Polk's City Directory
1975	McGonigle & Hilger Roofing Inc	Polk's City Directory
1970	Norton Laboratories Inc (plastics mfr)	Polk's City Directory
1965	Norton Laboratories Inc (plastics mfr)	Polk's City Directory

Unnumbered Mill St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Milward Alloys	Polk's City Directory
1980	Milward Alloys	Polk's City Directory
1975	Milward Alloys (Plant)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	Source
1970	Milward Alloys Inc	Polk's City Directory
1965	Milward Alloys Inc	Polk's City Directory
N Trans	it Rd	
5 N Tran	sit Rd	
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Walgreens	Polk's City Directory
87 N Tra	nsit Rd	
<u>Year</u>	<u>Uses</u>	Source
2010	No current listing	Polk's City Directory
2005	No current listing	Polk's City Directory
2000	Residential	Polk's City Directory
1996	Residential	Polk's City Directory
1991	Residential	Polk's City Directory
1986	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1970	Residential	Polk's City Directory
1965	Residential	Polk's City Directory
91 N Tra	nsit Rd	
<u>Year</u>	<u>Uses</u>	Source
2010	Residential	Polk's City Directory
2005	Residential	Polk's City Directory
2000	Apts	Polk's City Directory
1996	Vacant	Polk's City Directory
1991	Residential	Polk's City Directory
1986	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Vacant	Polk's City Directory
1970	Residential -	Polk's City Directory
1965	Residential	Polk's City Directory
94 N Tra	nsit Rd	
<u>Year</u>	<u>Uses</u>	Source
2010	Foltz Upholstering Co	Polk's City Directory
2005	Foltz Upholstering Co	Polk's City Directory
2000	Foltz Upholstering Co	Polk's City Directory

Page 5

<u>Year</u>	<u>Uses</u>	Source
1996	Foltz Upholstery Co	Polk's City Directory
1991	Foltz Upholstery Co	Polk's City Directory
1986	Kevin Foltz (upholsterer)	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1970	Residential	Polk's City Directory
1965	Residential	Polk's City Directory

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
2 N Transit Rd	2010, 2005, 2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
440 Mill St	2010, 2005, 2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
5 N Transit Rd	2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
500 Mill St	1986, 1980, 1975, 1970, 1965
518 Mill St	2010, 2005, 2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
520 Mill St	No Years Found
87 N Transit Rd	No Years Found
91 N Transit Rd	No Years Found
94 N Transit Rd	No Years Found
Unnumbered Mill St	No Years Found

Appendix C.4 Historical Fire Insurance Maps

Van DE Mark 1 N Transit Rd

Lockport, NY 14094

Inquiry Number: 3132954.3

July 26, 2011

eautaiseniononenaajor



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

7/26/11

Site Name:

Van DE Mark 1 N Transit Rd Lockport, NY 14094 Client Name:

Environ Corporation 1 Gateway Center Newark, NJ 07102



EDR Inquiry # 3132954.3

Contact: Mariel Harvey

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Certified Sanborn Results:

Site Name:

Van DE Mark

Address:

1 N Transit Rd

City, State, Zip:

Lockport, NY 14094

Cross Street:

P.O. #

NΑ

Project:

NΑ

Certification #

36D9-47D5-A732



Sanbom® Library search results Certification # 36D9-47D5-A732

Maps Provided:

1969	1903
1948	1898
1928	1892
1919	1886
1914	
1909	

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EDR Private Collection

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Sanborn Sheet Thumbnails

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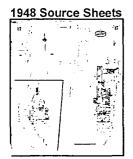
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Valume 1, Sheet 17

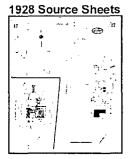
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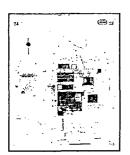




Volume 1, Sheet 17

Volume 1, Sheet 24



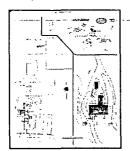


Volume 1, Sheet 17

Volume 1, Sheet 24

1919 Source Sheets





Valume 1, Sheet 25

Volume 1, Sheet 32



Volume 1, Sheet 39



Volume 1, Sheet 39



Volume 1, Sheet 25



Valume 1, Sheet 26



Volume 1, Sheet 21



Volume 1, Sheet 22

892 Source Sheets

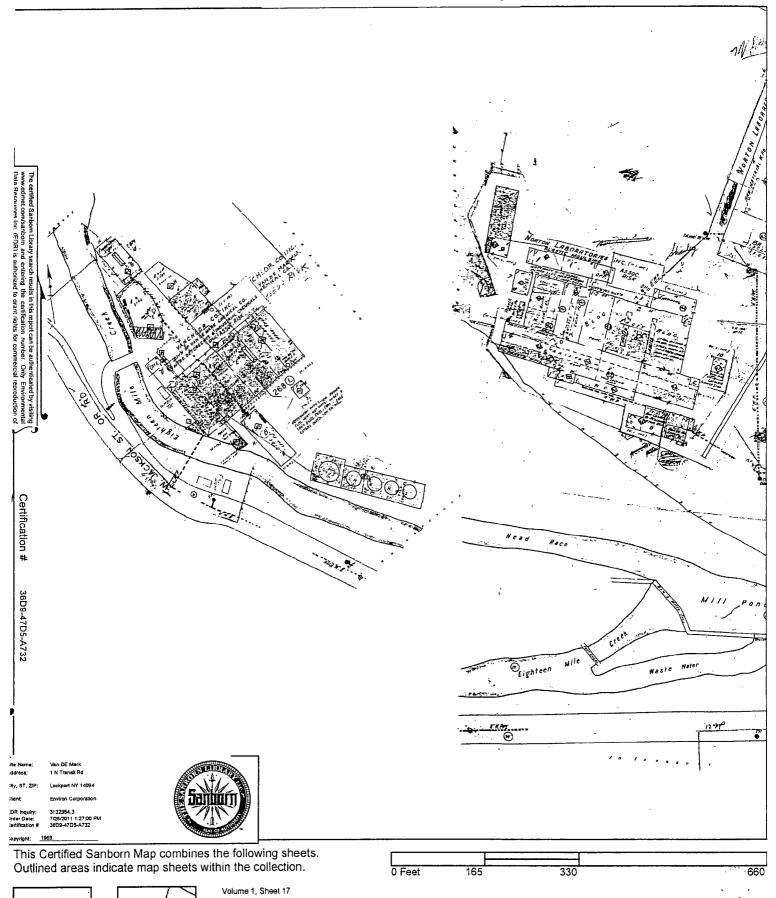


Volume 1, Sheet 20

1886 Source Sheets



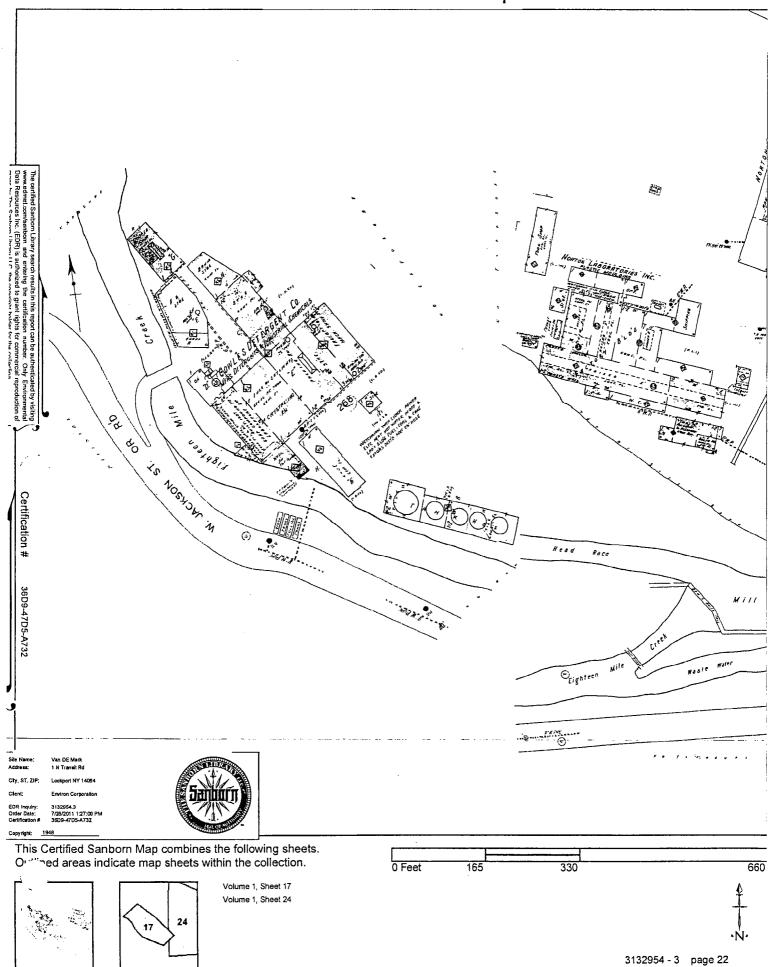
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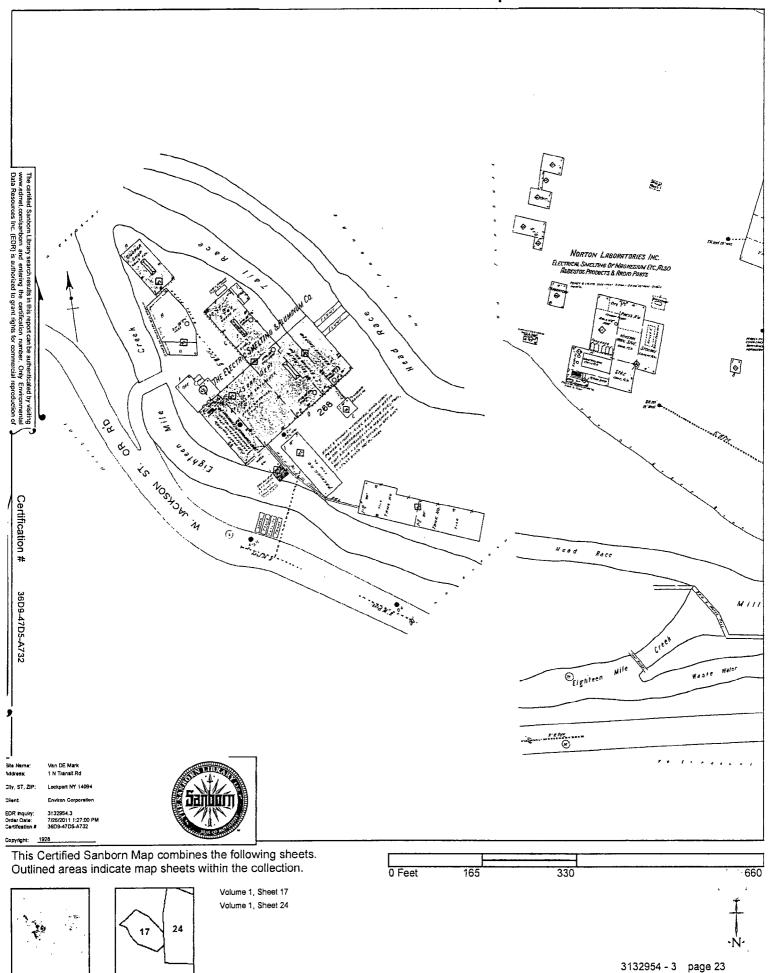


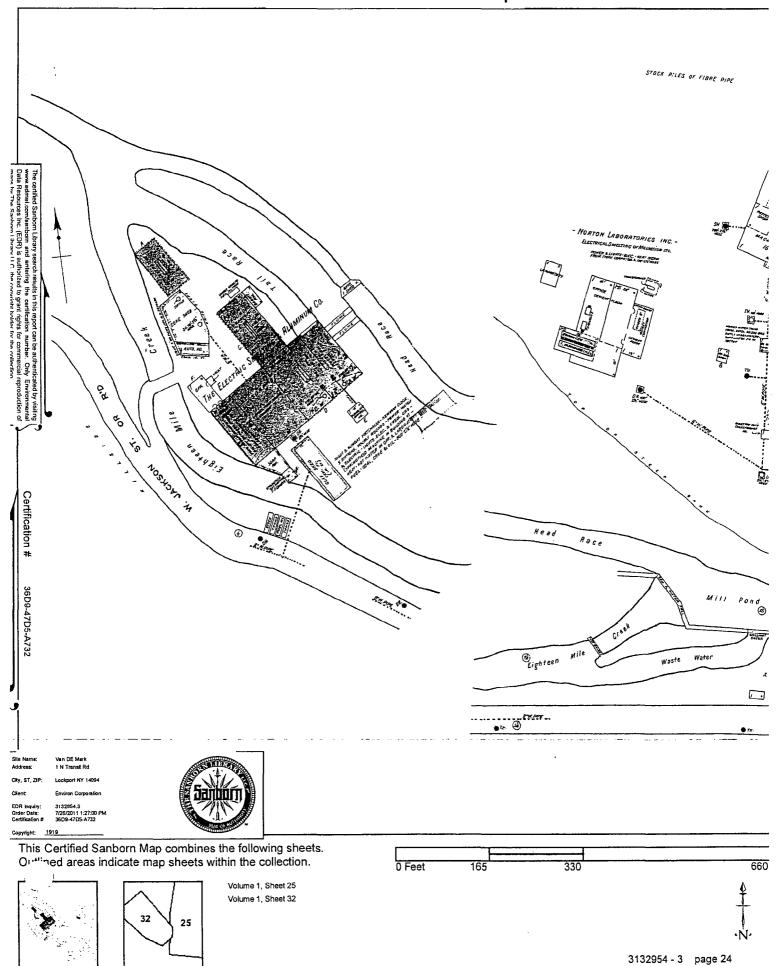
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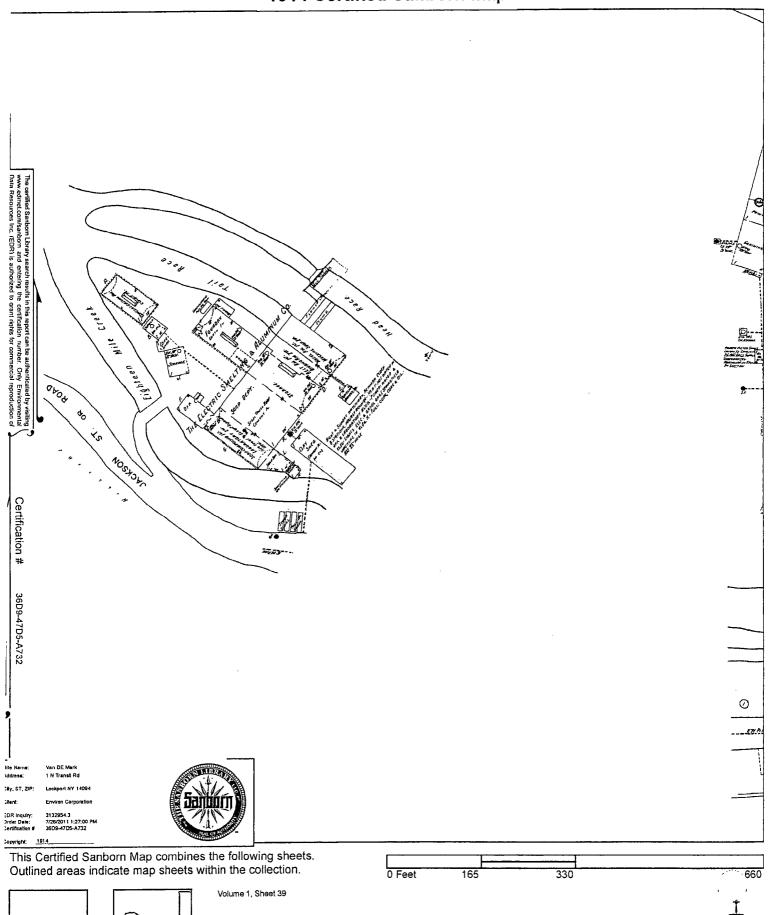
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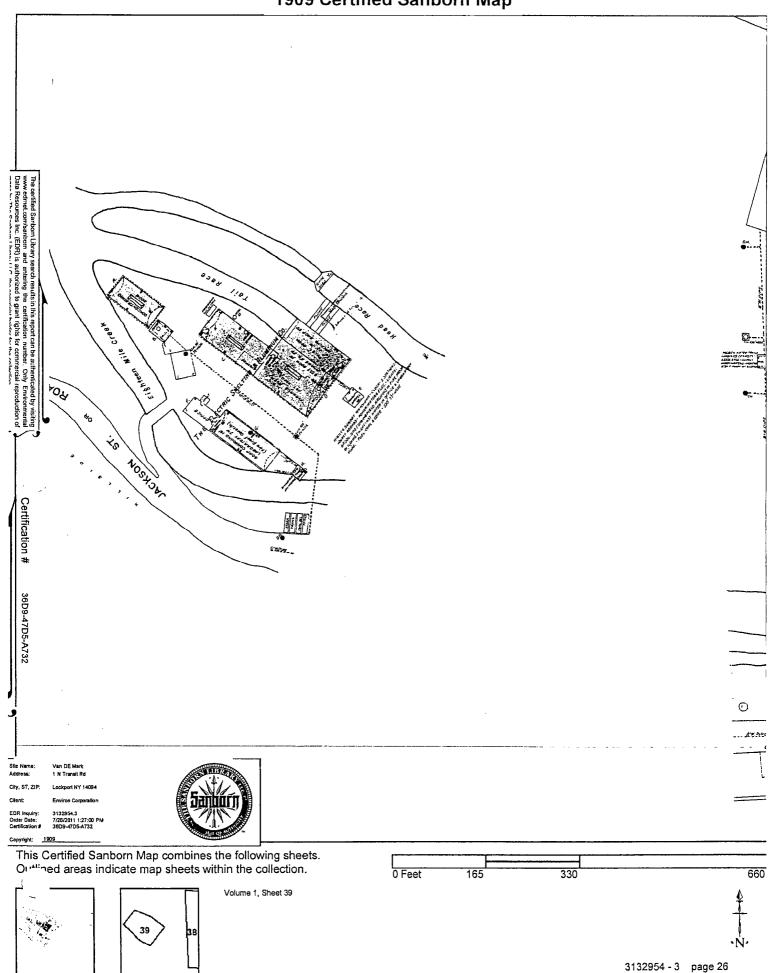


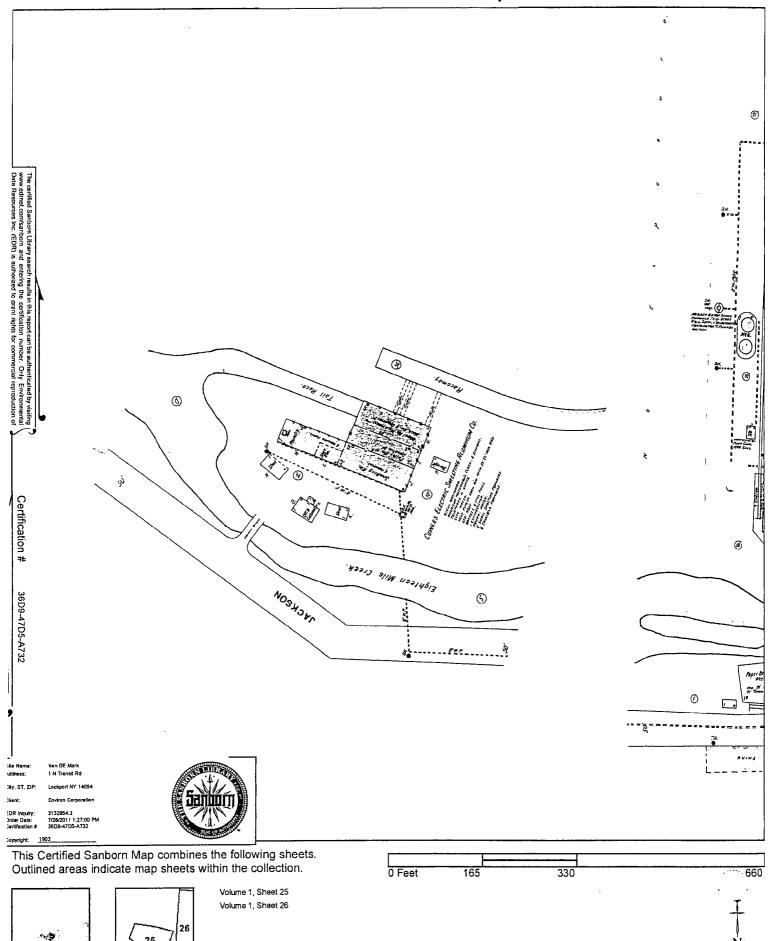




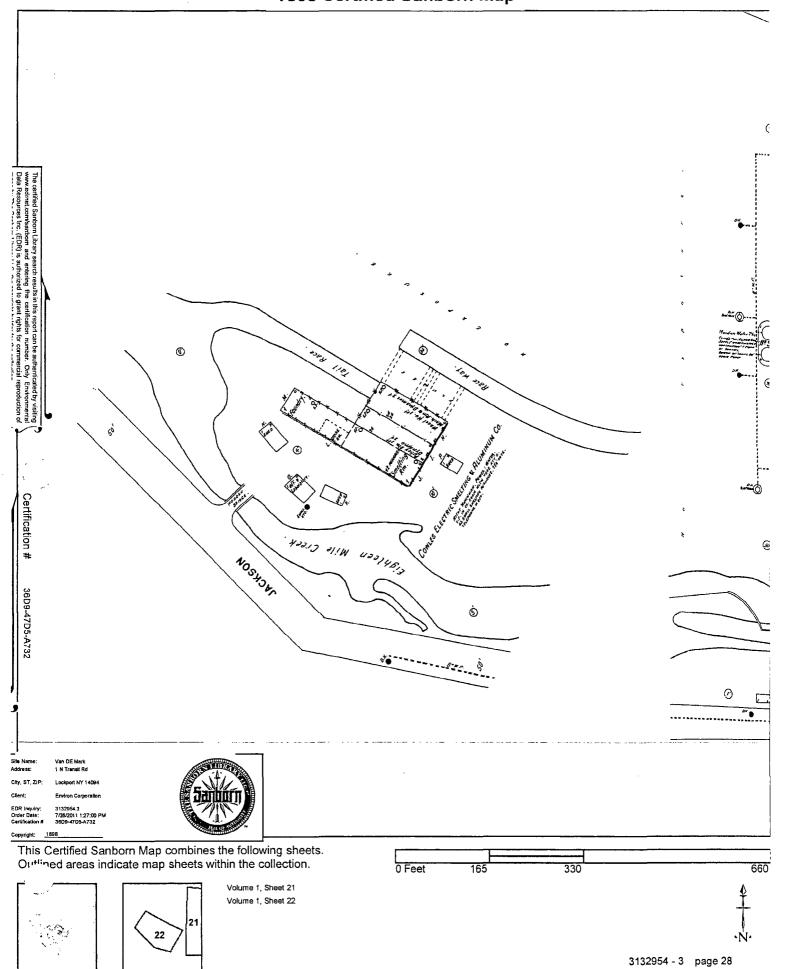


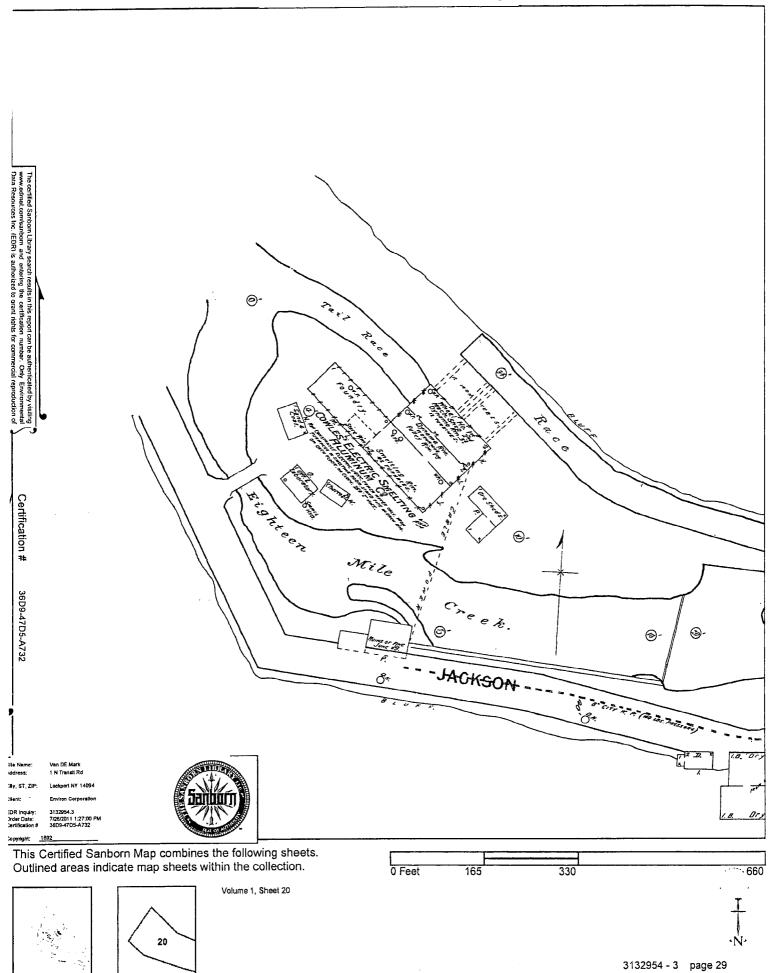
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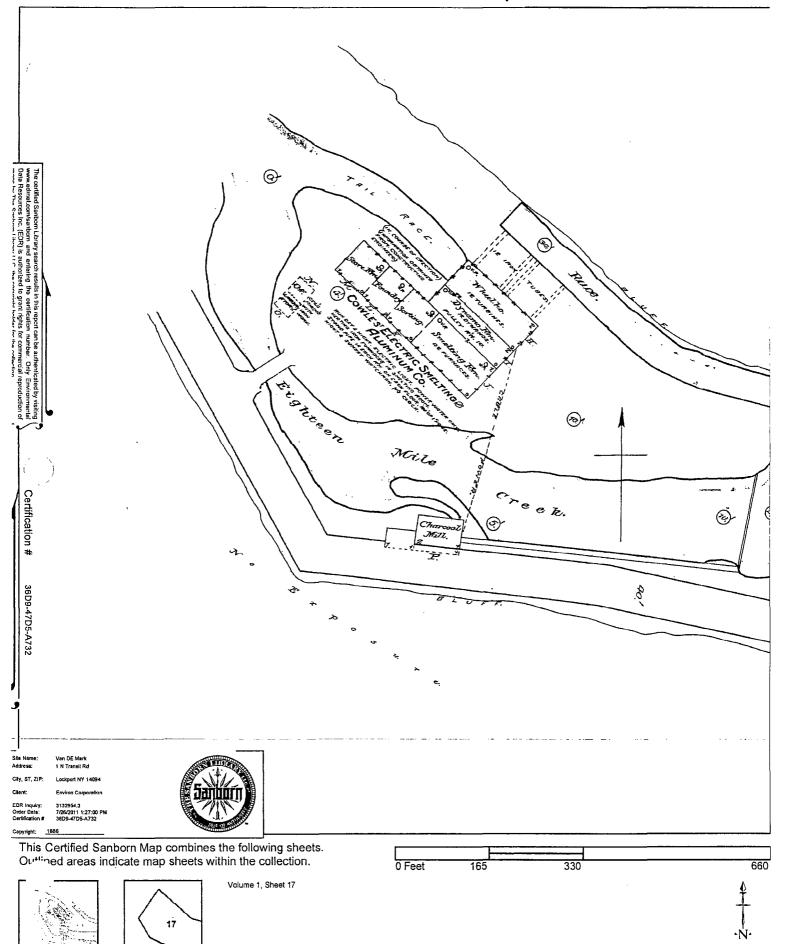




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Van DE Mark

1 N Transit Rd Lockport, NY 14094

Inquiry Number: 3132954.3

July 26, 2011





440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

7/26/11

Site Name:

Client Name:

Van DE Mark 1 N Transit Rd Lockport, NY 14094 **Environ Corporation** 1 Gateway Center Newark, NJ 07102



EDR Inquiry # 3132954.3

Contact: Mariel Harvey

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Certified Sanborn Results:

Site Name:

Van DE Mark 1 N Transit Rd

Address: City, State, Zip:

Lockport, NY 14094

Cross Street:

P.O. #

NA NA

Project:

Certification # 36D9-47D5-A732



Sanborn® Library search results Certification # 36D9-47D5-A732

Maps Provided:

1969	1903
1948	1898
1928	1892
1919	1886
4044	

1914 1909

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University Publications of America

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Sanborn Sheet Thumbnails

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Volume 1, Sheet 26

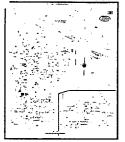
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1969 Source Sheets • Valume 1, Sheet 24 Volume 1, Sheet 25 Volume 1, Sheet 32 Volume 1, Sheet 6 1948 Source Sheets Valume 1, Sheet 6 Volume 1, Sheet 25 Volume 1, Sheet 24 Volume 1, Sheet 32 1928 Source Sheets Volume 1, Sheet 6 Valume 1, Sheet 24 Volume 1, Sheet 25 Volume 1, Sheet 32 1919 Source Sheets

Volume 1, Sheet 36

914 Source Sheets



Volume 1, Sheet 38

1909 Source Sheets



Volume 1, Sheet 38

1903 Source Sheets



Volume 1, Sheet 26

1898 Source Sheets



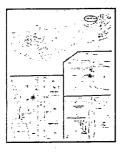
Volume 1, Sheet 21

1892 Source Sheets

Volume 1, Sheet 20

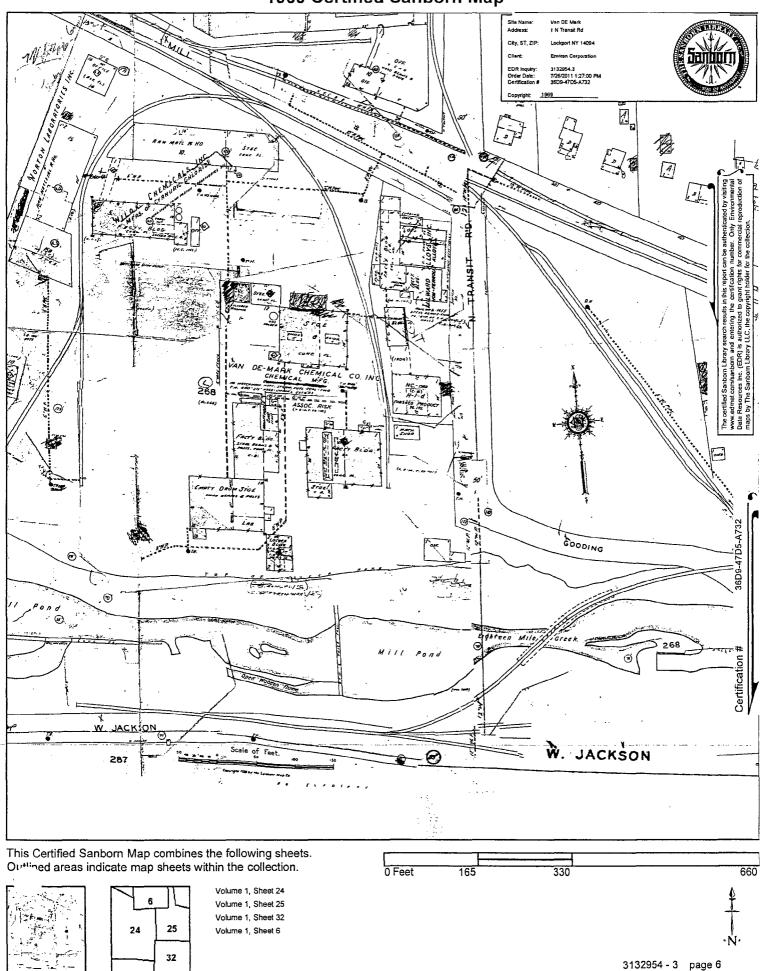
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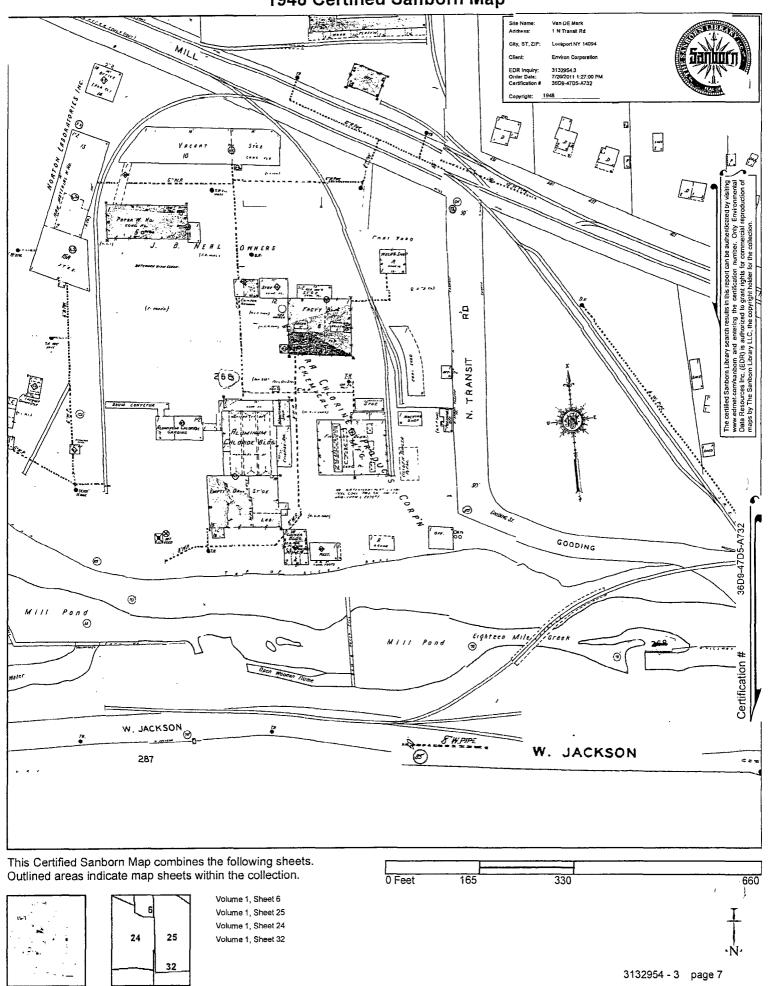




Volume 1, Sheet 7

Volume 1, Sheet 17







Client Name:

isochem, inc.

Site Location:

Monitoring well MW-2D

Project No.:

0049-007-100

Photo No.

1

Date 01/05/07

Direction Photo Taken:

Looking south toward south limit of Site

Description:

the blue drum.

Typical surface setup of DNAPL recovery system. Two black tubes are shown; one air line and the other product recovery.

Recovered product was stored in

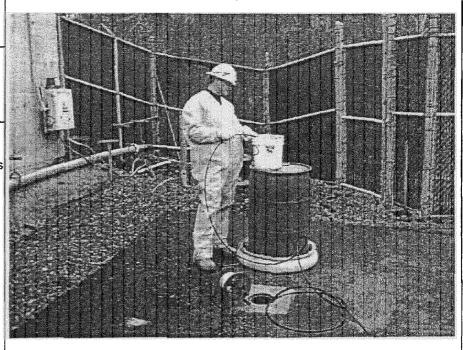


Photo No.

Date

2

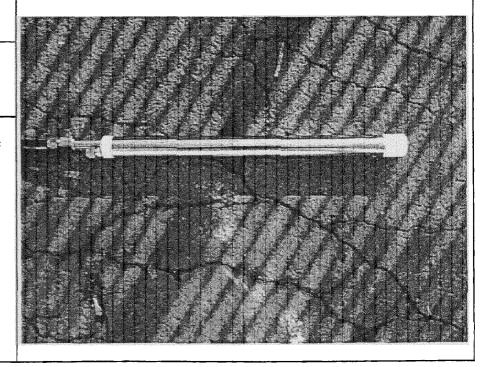
01/04/07

Direction Photo Taken:

NA

Description:

2-inch diameter QED pneumatic Pulse Pump (Model LP1301)



Prepared By: ____



Client Name:

Isochem, Inc.

Site Location:

Monitoring well MW-2D

Project No.:

0049-007-100

Photo No.

Date

3

01/04/07

Direction Photo Taken:

NA

Description:

Typical early discharge of product recovery system.

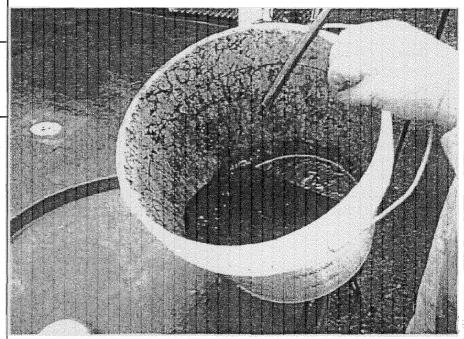


Photo No.

Date

4

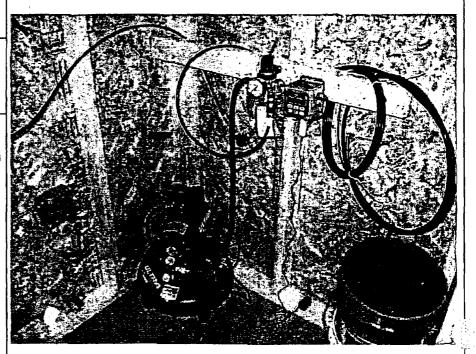
03/14/07

Direction Photo Taken:

NA

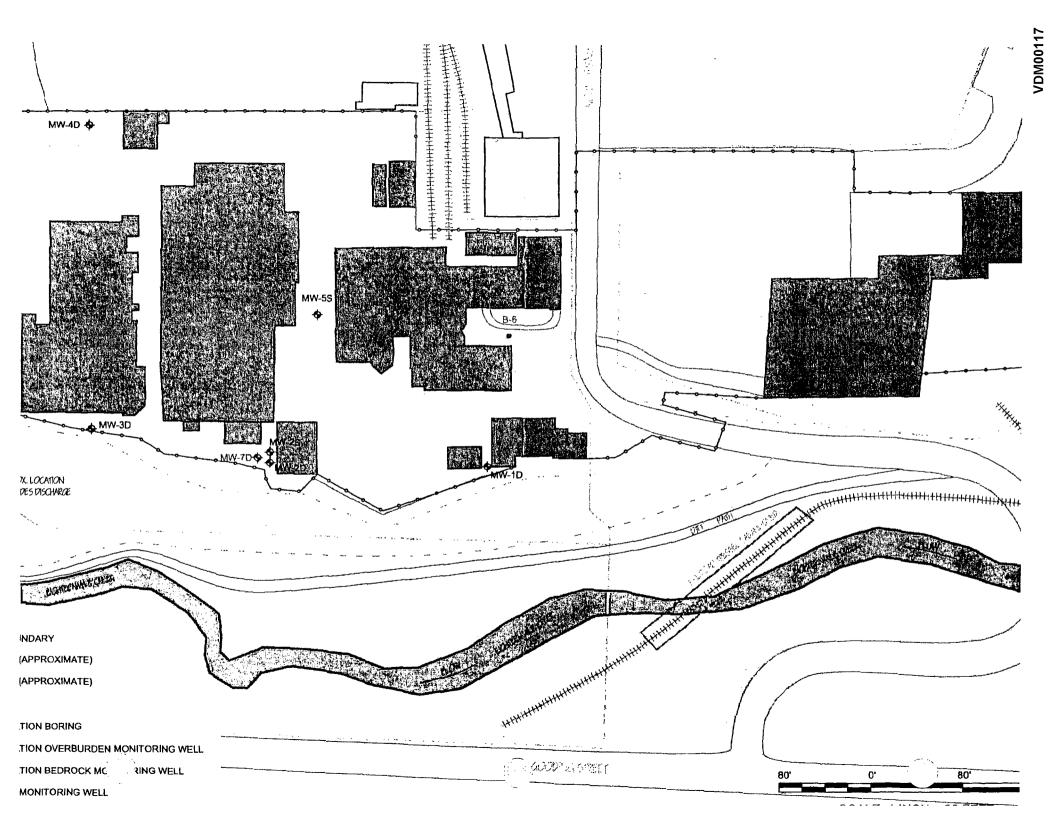
Description:

Inside of product recovery shed showing general layout of controls and air compressor.



Page 2 of 2

Prepared By:





Client Name:

isochem, inc.

Site Location:

Monitoring well MW-2D

Project No.:

0049-007-100

Photo No.

1

01/05/07

Date

Direction Photo Taken:

Looking south toward south limit of

Site

Description:

Typical surface setup of DNAPL recovery system. Two black tubes are shown; one air line and the other product recovery. Recovered product was stored in the blue drum.

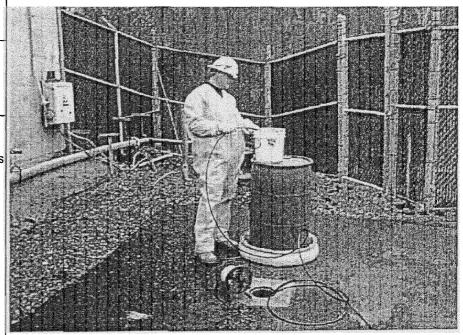


Photo No.

Date

2

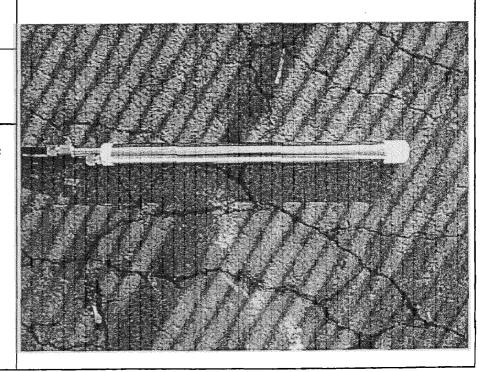
01/04/07

Direction Photo Taken:

NA

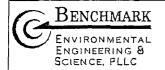
Description:

2-inch diameter QED pneumatic Pulse Pump (Model LP1301)



Page 1 of 2

Prepared By: _



Client Name:

Isochem, Inc.

Site Location:

Monitoring well MW-2D

Project No.:

0049-007-100

Photo No.

3

01/04/07

Date

Direction Photo Taken:

NA

Description:

Typical early discharge of product recovery system.

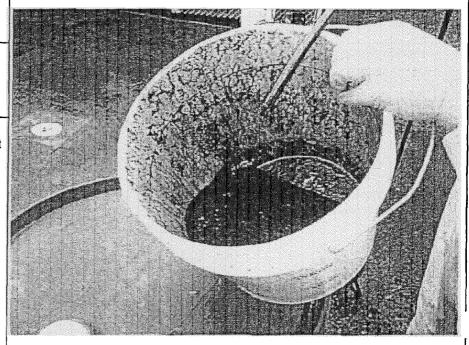


Photo No.

Date

4

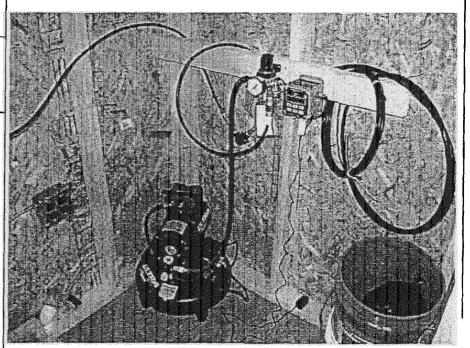
03/14/07

Direction Photo Taken:

NA

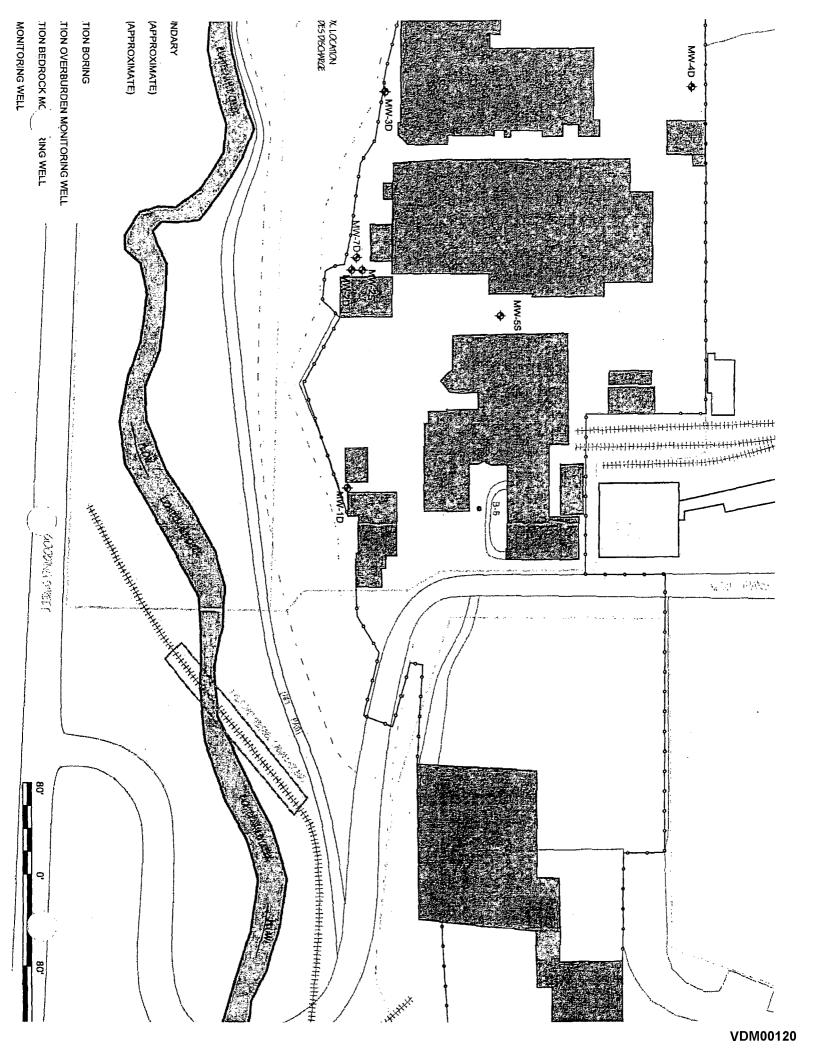
Description:

Inside of product recovery shed showing general layout of controls and air compressor.



Page 2 of 2

Prepared By:



ATTACHMENT 2

PHOTOGRAPHIC LOG SHEETS





Client Name:

VanDeMark, Inc.

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

Date

1

08/13/07

Direction Photo Taken:

West

Description:

Pathway along creek leading to bank clean-up area. Prior to cleanup activities.



Photo No.

Date

2

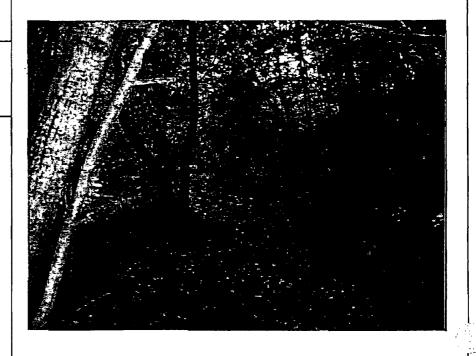
08/13/07

Direction Photo Taken:

West

Description:

Pathway along creek leading to bank clean-up area. Prior to cleanup activities.



Page 1 of 13

Prepared By: _____RLD



VanDeMark, Inc.

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

3

Date 08/13/07

Direction Photo Taken:

West

Description:

Pathway along creek leading to bank clean-up area. Prior to cleanup activities.

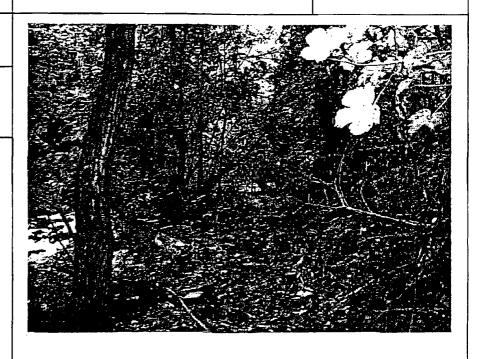


Photo No.

4

Date 08/13/07

Direction Photo Taken:

West

Description:

Pathway along creek leading to bank clean-up area. Prior to cleanup activities.



Prepared By: RLD



Client Name:

VanDeMark, Inc.

Site Location:

18 Mile Creek - Lockport, NY

Project No.:

0049-008-100

Photo No.

Date

5

08/13/07

Direction Photo Taken:

East

Description:

Pathway along creek bank prior to cleanup activities.

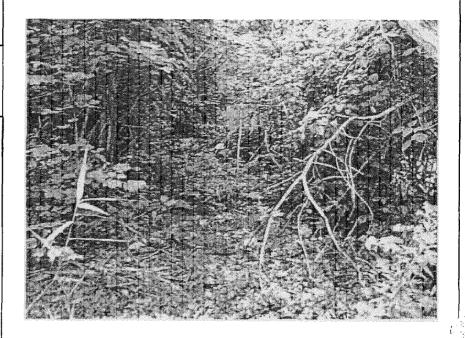


Photo No.

Date

6

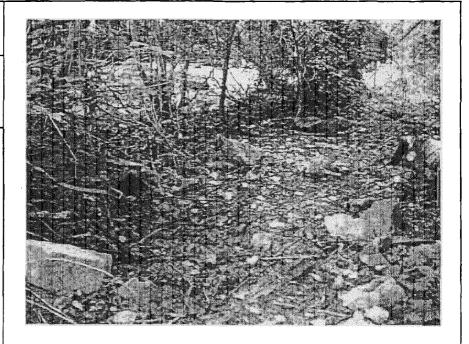
08/13/07

Direction Photo Taken:

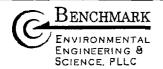
West

Description:

Pathway along creek bank prior to cleanup activities.



Prepared By: _____RLD



Cli	ent	1	Vai	ne:
	_	-		_

Site Location:

Project No.: 0049-008-100

VanDeMark, Inc

18 Mile Creek - Lockport, NY

Photo No.

Date

7

08/13/07

Direction Photo Taken:

West

Description:

Clean-up area along creek bank looking north.



Photo No.

Date

8

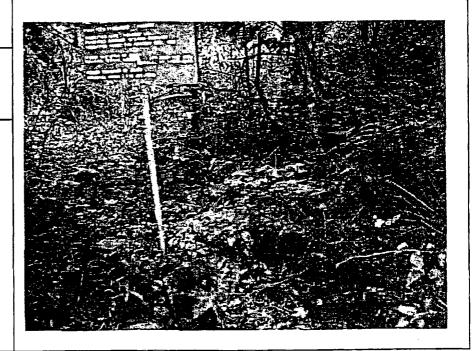
08/13/07

Direction Photo Taken:

East

Description:

Clean-up area along creek bank





Client Name:

Site Location: VanDeMark, Inc.

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

Date

08/13/07

Direction Photo Taken:

West

Description:

Clearing and grubbing vegetation for access pathway.

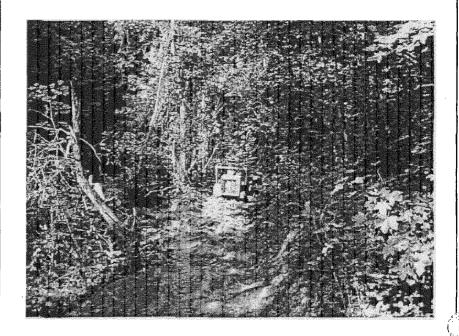


Photo No.

10

08/13/07

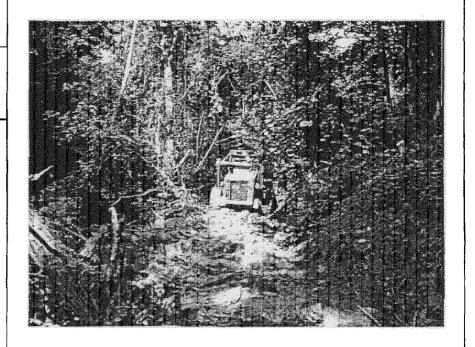
Date

Direction Photo Taken:

West

Description:

Clearing and grubbing vegetation for access pathway.





Client Name:

VanDeMark, Inc.

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

Date

11

08/13/07

Direction Photo Taken:

East

Description:

Constructing access pathway with clay soil.



Photo No.

Date

12

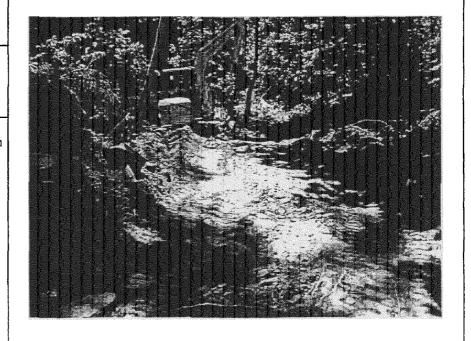
08/13/07

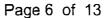
Direction Photo Taken:

West

Description:

Constructing access pathway with clay soil.







Client Name:

VanDeMark, Inc

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

Date

13

08/14/07

Direction Photo Taken:

East

Description:

Begin excavation of tar residuals along creek bank.

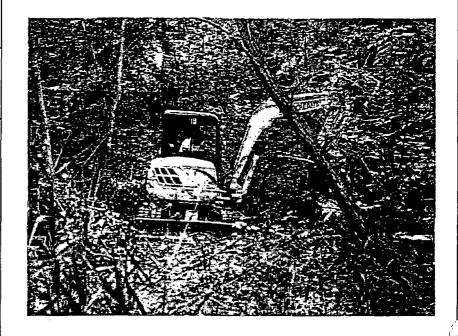


Photo No.

Date

14

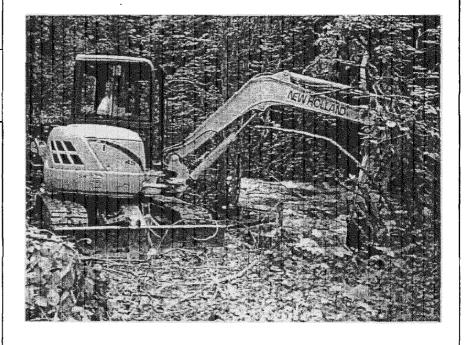
08/14/07

Direction Photo Taken:

East

Description:

Begin excavation of tar residuals along creek bank.





Client Name:

VanDeMark, Inc.

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

Date

15

08/14/07

Direction Photo Taken:

East

Description:

Excavation of tar residuals along creek bank at south end of cleanup area.



Photo No.

Date

16

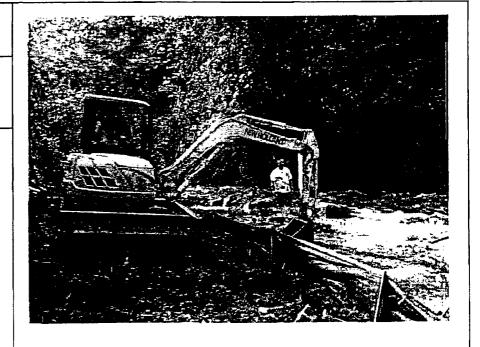
08/14/07

Direction Photo Taken:

East

Description:

Excavation of tar residuals along creek bank





Client Name:

VanDeMark, Inc

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

Date

17

08/14/07

Direction Photo Taken:

East

Description:

Excavation of tar residuls along bank area.



Photo No.

Date

18

08/14/07

Direction Photo Taken:

East

Description:

Excavation of tar residuals at north end of bank clean-up area





Client Name:

Site Location:

Project No.:

VanDeMark, Inc

18 Mile Creek - Lockport, NY

0049-008-100

Photo No.

19

08/21/07

Date

Direction Photo Taken:

West

Description:

Grading soils in bank clean-up area.



Photo No.

20

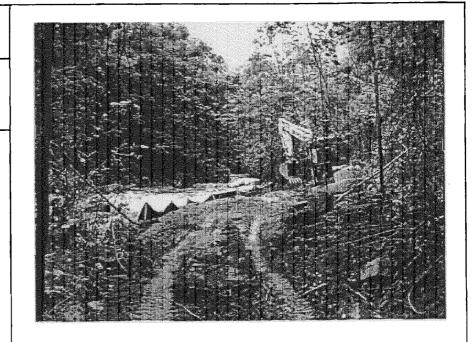
Date 08/21/07

Direction Photo Taken:

East

Description:

Grading soils in bank clean-up area.





Client Name:

VanDeMark, Inc

Site Location:

18 Mile Creek - Lockport, NY

Project No.: 0049-008-100

Photo No.

21

Date 08/21/07

Direction Photo Taken:

West

Description:

Graded soils in bank clean-up area. Looking north.

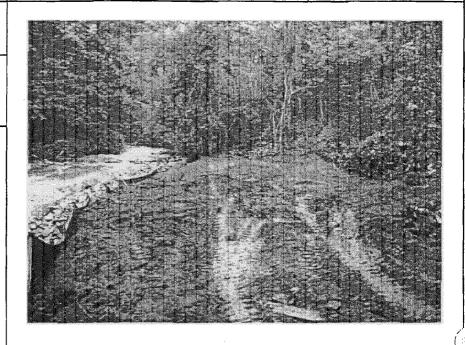


Photo No.

22

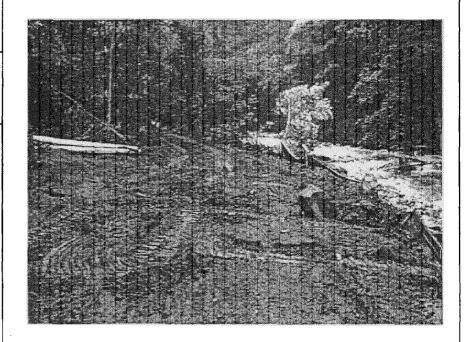
Date 08/21/07

Direction Photo Taken:

East

Description:

Graded soils in bank clean-up area. Looking south.





Client	Name:
VanDeN	flark, Inc

Site Location: 18 Mile Creek - Lockport, NY Project No.: 0049-008-100

Photo No.

Date

23

08/23/07

Direction Photo Taken:

West

Description:

Placing rip rap stone along creek



Photo No.

24

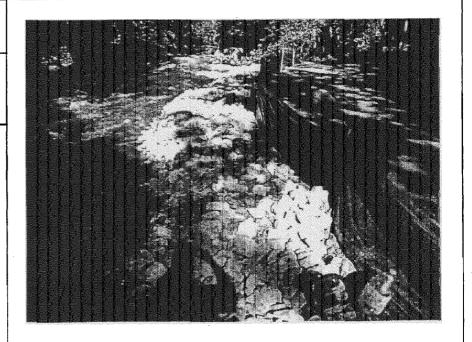
Date 08/27/07

Direction Photo Taken:

West

Description:

Placing rip rap stone along creek bank.





Client Name: VanDeMark, Inc.

Site Location: 18 Mile Creek - Lockport, NY **Project No.:** 0049-008-100

Photo No.

Date

25

08/27/07

Direction Photo Taken:

West

Description:

Topsoil and seeding in clean-up area.



Photo No.

26

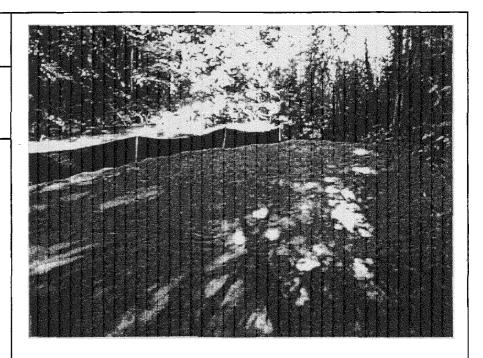
Date 08/27/07

Direction Photo Taken:

West

Description:

Topsoil and seeding in clean-up area.



ATTACHMENT 3

TAR RESIDUALS DISPOSAL SUMMARY & SCALE RECEIPTS





TO:

Pat Martin

Benchmark Environmental

From:

Anne DeMunda

Waste Technology Services, Inc.

Re:

Weight Tickets

Date:

September 11, 2007

Pat,

Please see attached weight tickets per your request. If there is anything else I can do for you please do not hesitate to contact me.

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1.		٠.	,•	
٠.	:	•		
				•
		٠.	- 2	

Ticket#	Date	Топпаде
335905	8/16/07	15:58 tons
338019	8/29/07	20.99 tons
339453	09/06/07	14.54 tons
339383	09/06/07	7.37 tons

16:11:31 Scale 1 Dit Scale 1 Out Seale 7 10#325959 Pater 0, 16/2007 Tins: [5:09:73 Tackett 335965 Gross (C7156-1b Tark (2000-1b Net (2011b) Mancity Un. fract. Peper Transfer is a to. Approval Ht 2392 lesiler: 6 SPO-LON Materials & Services Mianara Fall≤, kY 14394 Phone (716) 278-8559 Fax (716) 278-3568 MINDS. Nagar, Falls Facility 188 Gnery, Rivd. P 5615 Street Chestonov, Philipitalis Chestonov, Philipitalis Earvier, 36/467/967 MAZNot Appliteable Countries 111. Grigin

.∵

Deputy Weighnostert

Drivers A

/.11

Niagara Falls Facility 100 Energy Blvd. 0 56th Street Niagara Falls, NY 14304 Phone (716) 270-8559 Fax (716) 278-8560

Ticket: 330019 Date: 8/29/2007

Time: 10:47:02 - 11:14:06

s ilitareno Scale

Trucks 9482

Trailera 99

Gross: 7856@1b in Scale 1 Tare: 3658@1b Out Scale 2

Custower: 702011/WTS - ISOCHER

Truck Type: Tractor

Nets 41900 15

Carrier: 36/HAZ-MAT

Approval #: 7357 PO: 85959

Man1 fests 00150701

Comment:

Origin

Materials & Services

Quantity thrit

1145/Lorkport, HY

100% of 1400 TOM/Industrial-To 20.09 ton

SPO-TON

Driver: Muchal Poncon

Deputy Weighmasbers

(Ās

130 139

Sep 11 '07

Niagara Falls Facility

166:Energy Blvd. 8 56th Street

Miapara Falls, NY 14304

Phone (716) 278-8559 Fax (716) 278-6560

Ticket: 3394:3 Date: 9/6/1987

Time: 13:36:38 - 14:23

Scale in Scale 1

: ut Scale 2

Trailer: 59 Truck: 9482

Customer: 782811/WTS - ISOCHEM

Carrier: 36/HAZ-MAT

Truck Type: Tractor

.Tare:35460 1b Net:29688 1b

Gress:64540 lb

15:14

Approval #1 7397

PG: 25959

Manifest: 日 阿607

Coument:

Origin

. Materials & Services

, Quantity Unit

1145/Lockport, NY

180% of SPO-TON/Special Wast 14.54 ton

Deputy Weighmastens

Niagara Falls Facility

169 Energy Blvd. 8 56th Street

Niagara Falls, NY 14384

Phone (715) 278-8559 Fax (716) 278-6569

Ticket: 339313

Date: 9/6/3007

Tine: 09:2:24 - 10:33:05

Trucks 9400

Customer: 70201i/NTS - ISOCHEM

Carrier: 36/HAZ-MAT

Trailer: 93

Gross:50580 1b Tare:35848 1b in Scale 1 lut Scale 2

Nat:14748 1b

Truck Type: Tractor

Approval #: 7397

PO: 25959

Manifest: 0 30607

Comment:

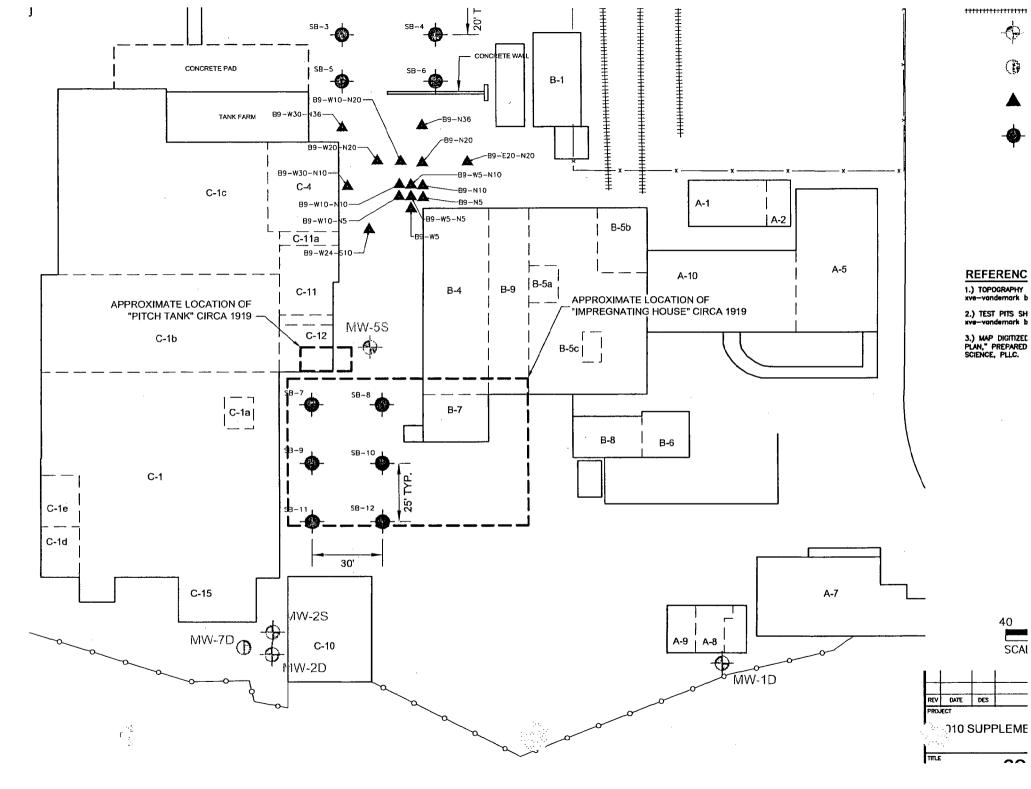
Origin

Materials & Services

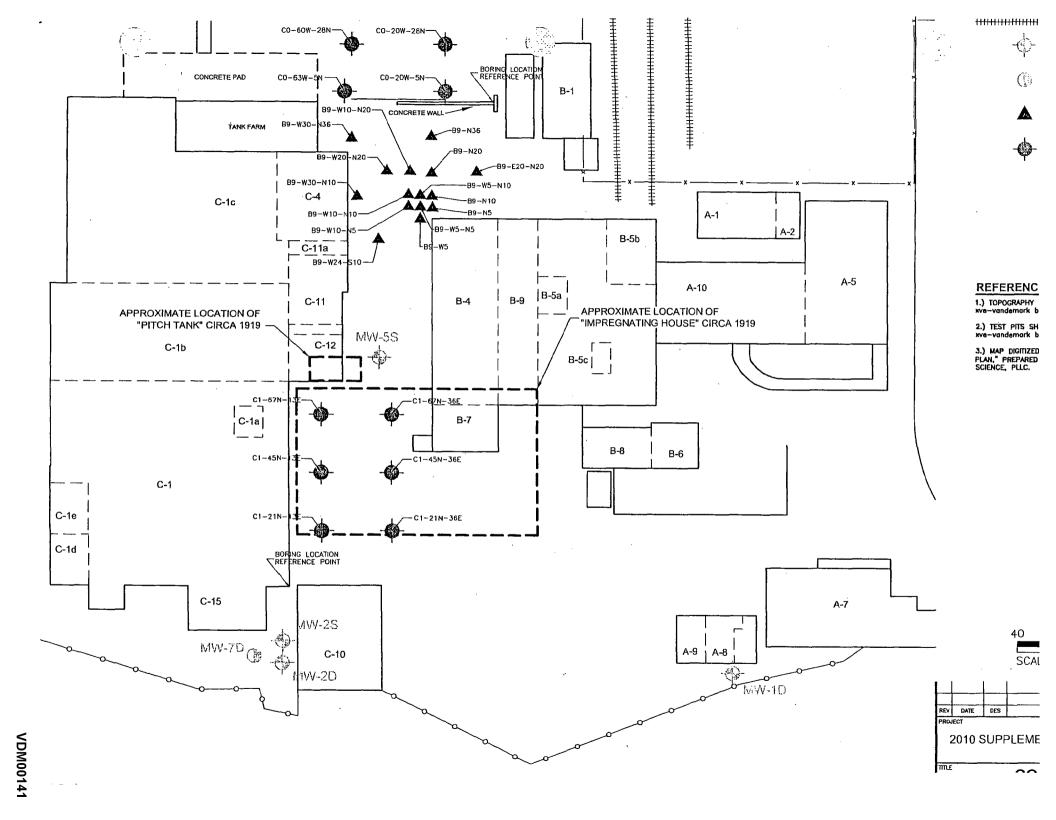
Quantity Unit

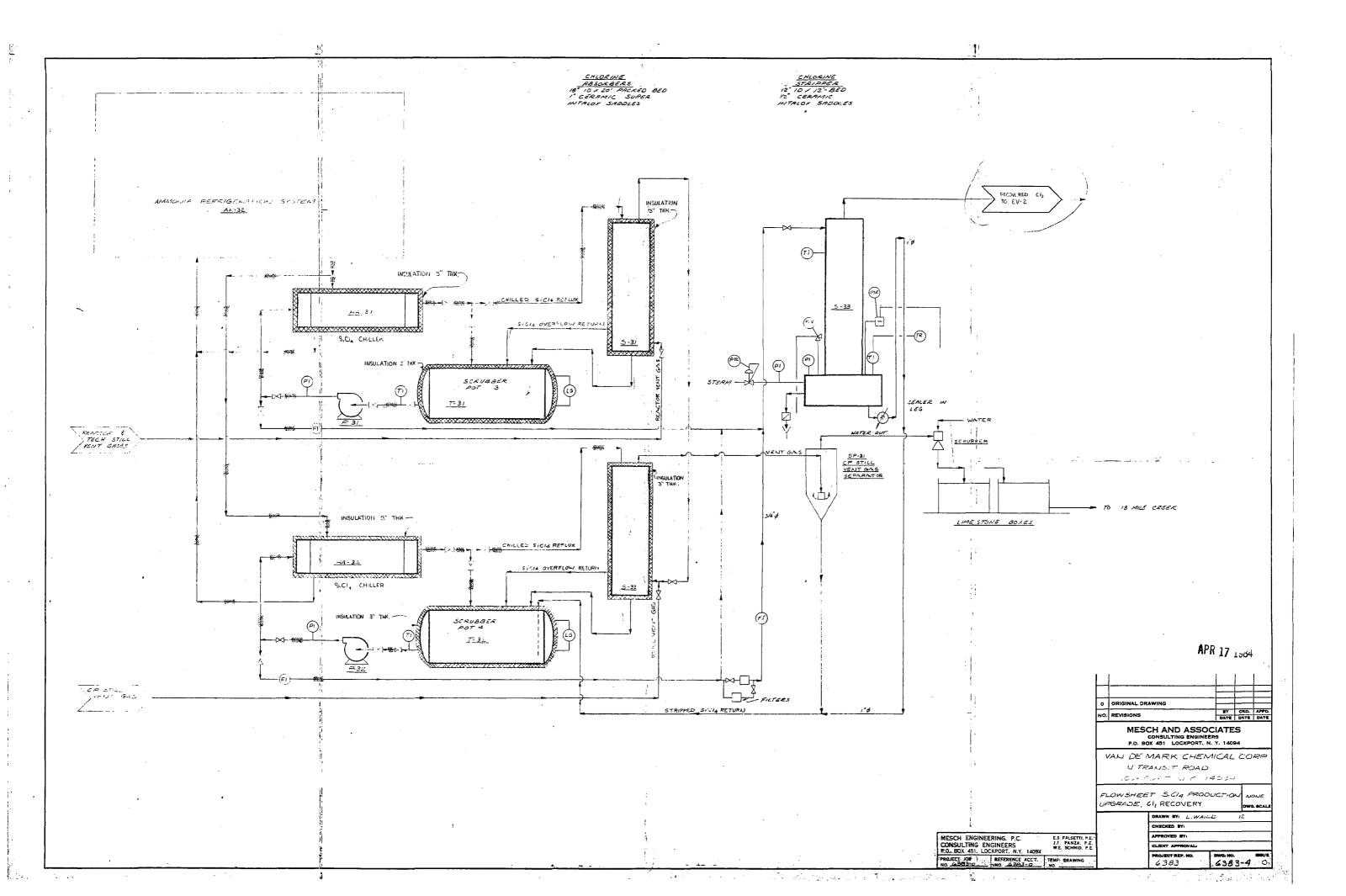
1145/Leckport, NY

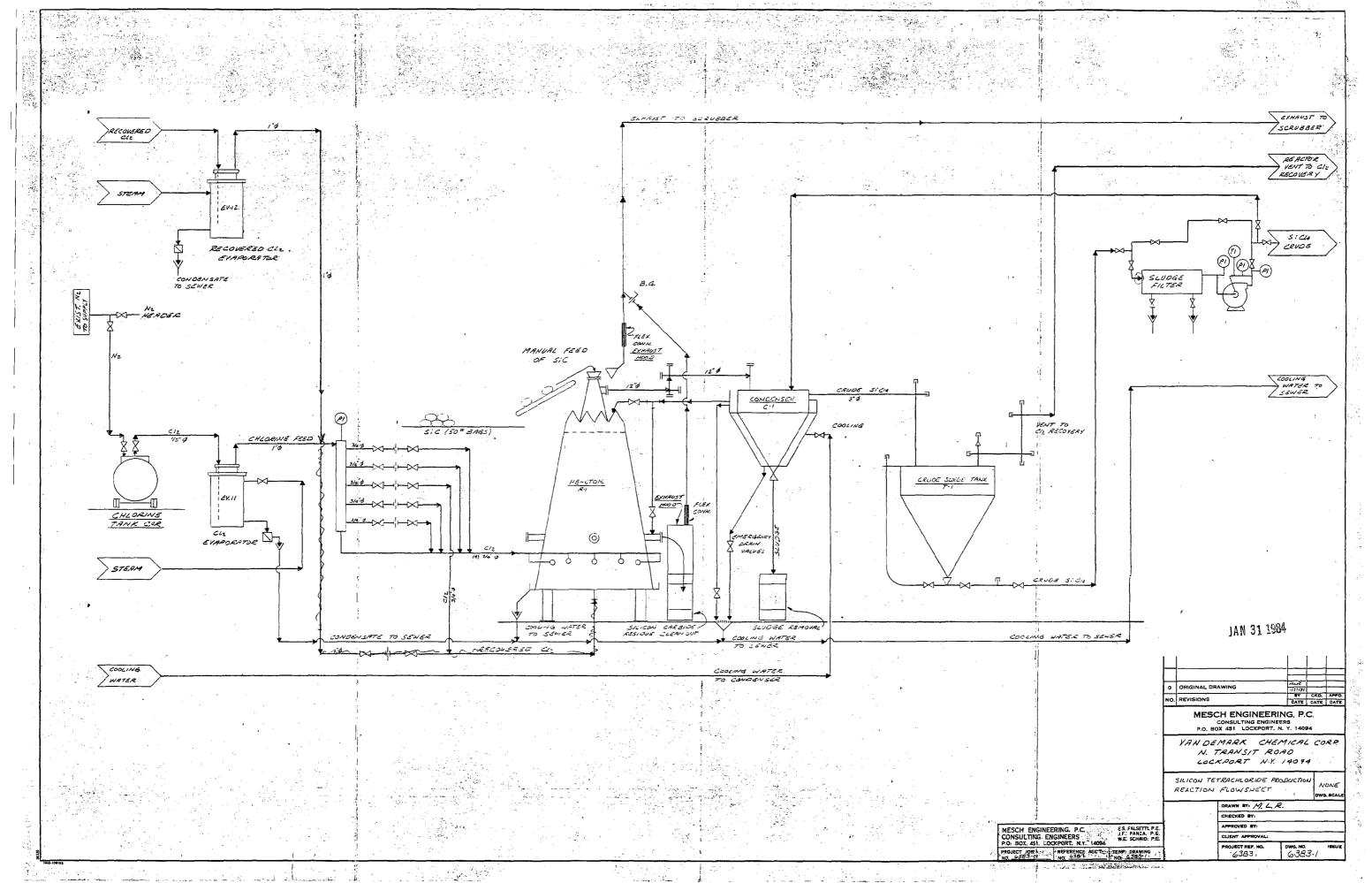
180% of SPO-TON/Special Wast 7.37 ton



VDM00140







VANDEMARK CHEMICAL INC.

Environmental Report Index

Document	Date	Report
1.	9/17/99	Dames & Moore Phase I and II Environmental Audit
2.	11/30/06	Benchmark Environmental Engineering & Science Findings of
		Supplemental Investigation Activities Report
3.	12/15/06	ERM Phase I Environmental Site Assessment & Limited
		Compliance Review
4.	12/22/06	Benchmark Environmental Engineering & Science
		Supplemental Field Investigation & Sampling Report
5.	02/26/07	Benchmark Environmental Engineering & Science Summary of
_		Site Reconnaissance Report
6.	03/23/07	Benchmark Environmental Engineering & Science DNAPL
_		Assessment Report
7.	09/12/07	Benchmark Environmental Engineering & Science Creek Bank
_		Clean-Up Closeout Report
8.	12/14/07	Benchmark Environmental Engineering & Science Site
		Monitoring Program & Creek Bank Annual Assessment of
		VDM
9.	05/20/09	Benchmark Environmental Engineering & Science Supplement
		to December 2008 Creek Bank Clean-Up Report – Summary of
		Work Performed
10.	12/21/09	Golder Associates SNPE - VDM DNAPL Assessment Report &
		Supplemental Work Plan
11.	02/15/11	ERM Review of Remedial Activities for VDM
12.	10/11	Phase I Environmental Site Assessment and Limited
		Compliance Review (ENVIRON)
13.	10/31/12	GaiaTech Limited Phase II Soil and Groundwater Investigation

Doc # 01-2618089.2

ENVIRON

October 7, 2011

Douglas C. Mosteller Mosteller Consulting, LLC 7931 S. Broadway #113 Littleton, CO 80122

Re: Phase II Investigation and Findings VanDeMark Chemical, Inc. Lockport, New York

Dear Doug:

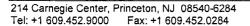
ENVIRON International Corporation (ENVIRON) was retained by Platte River Ventures II, LP (PRV) to conduct a Phase II environmental investigation of the VanDeMark Chemical, Inc. (VDM or the "Company") facility at One North Transit Road in Lockport, New York (the "site" or the "facility"). Prior investigations at the site in 1999 and from 2006 through 2011 have identified coal tar contamination in the subsurface of the developed area of the site and in seeps located in undeveloped areas near Eighteen Mile Creek¹, and soil and groundwater contamination in the developed area of the site. A summary of these prior investigations and the findings from these investigations can be found in ENVIRON's September 2011 Phase I Environmental Site Assessment report.

ENVIRON's Phase II investigation was intended to:

- 1. evaluate the potential contribution of contaminants, including chlorinated VOCs and coal tar constituents, from upgradient sources, particularly those that may have been located on property previously owned by VDM or its predecessors;
- 2. evaluate the potential presence of a separate coal tar source to the west of N. Transit Street based on prior soil sampling results and indications on Sanborn Fire Insurance maps of a second pitch tank in the vicinity of boring B-6;
- 3. assess whether a competent rock/confining layer (the Whirlpool Sandstone) is present beneath the Power Glen Shale as suspected by the NYSDEC;
- 4. evaluate the potential presence of DNAPL sources (coal tar or chlorinated ethenes) along the top of the Whirlpool Sandstone;
- 5. evaluate the extent of chloroform soil contamination in the vicinity of boring B-6; and
- 6. evaluate the extent of lead soil contamination at potentially RCRA-hazardous waste levels in the vicinity of well MW-5S.

The following provides an overview of ENVIRON's Phase II investigation activities, a discussion of soil and groundwater results, and a summary of ENVIRON's findings based on the results.

The USEPA refers to this creek as "Eighteenmile Creek." Other sources identify it as "Eighteen Mile Creek" and that nomenclature is used herein.



This summary of ENVIRON's Phase II investigation and findings has been prepared exclusively for use by PRV and its advisors, and such other persons or entities whose reliance is explicitly authorized in writing by ENVIRON. The conclusions presented in this report represent ENVIRON's best professional judgment based upon the information available and conditions existing as of the date of the summary. This summary of ENVIRON's Phase II investigation is not intended as legal advice, nor is it an exhaustive review of site conditions. ENVIRON makes no representations or warranties, express or implied, about the conditions of the site.

Background

The fate and transport of separate phase coal tar that has been identified at the site, a potential separate phase chlorinated solvent, which could be present in the subsurface of the site, and of dissolved phase contamination that has been identified are strongly influenced by the geology of the site. For example, coal tar is a dense non-aqueous phase liquid that will generally migrate vertically until encountering a confining unit and then will travel horizontally along the top of the confining unit.

The VDM site is underlain by 6 to 20 feet of overburden material, below which lies the Grimsby Sandstone, which has been described as "a dark red brown to grey, moderately strong, fine-grained, thinly bedded, slightly to moderately weathered intensely fractured sandstone." The Power Glen Shale, which has been described as a "dark gray with light to medium gray banded, horizontally bedded, very hard, shale," underlies the approximately 20 to 30 feet thick Grimsby Sandstone. Beneath the Power Glen Shale lies the Whirlpool Sandstone. The Grimsby Sandstone, the Power Glen Shale and the Whirlpool Sandstone are each part of the Lower Silurian age Medina Group.

Prior to ENVIRON's Phase II investigation, the deepest wells at the site intersected the Power Glen Shale and coal tar in the vicinity of well MW-2D has been found in this formation. The NYSDEC has speculated that coal tar could migrate vertically through the Power Glen Shale and that the Whirlpool Sandstone could act as a confining unit rather than the Power Glen Shale. Similarly, a separate phase chlorinated solvent source could migrate vertically through the soil profile until encountering a confining unit. As part of ENVIRON's Phase II investigation and discussed further below, a deep well that penetrates through the Power Glen Shale to the top of the Whirlpool Sandstone was installed to evaluate whether coal tar has migrated vertically further than previously discovered.



Phase II Field Activities

Site investigation activities conducted by ENVIRON from August 29 to September 2 included (1) the installation of four permanent bedrock monitoring wells, (2) well development and the collection of groundwater samples from the newly-installed monitoring wells and from three previously-existing wells, and (3) the collection of soil samples from borings advanced in the vicinity of MW5S to further evaluate lead concentrations, and in the former B6 boring area to assess whether a separate coal tar source is present to the west of North Transit Street, and to evaluate the potential presence of chloroform in this area.

Permanent monitoring well installation activities were completed using a rotary drilling (*i.e.*, GEFCO Strata Star 55) rig using mud-rotary drilling methods. New monitoring well installations included a replacement well in the vicinity of the former upgradient MW-4D (MW-4DR), an additional upgradient well to the east of MW-4DR (MW-8D), a monitoring well located in the vicinity of former boring location B-6 (MW9D), and a deep bedrock well in a downgradient location in the vicinity of MW-7D and MW-2D (MW-10D). MW-4DR, MW-8D, and MW-9D were each installed to the interface of the Grimsby Sandstone and Power Glen Shale (approximately 35 to 55 feet bgs), while MW-10D was installed to the interface of the Power Glen Shale and the



underlying Whirlpool Sandstone, approximately 70 feet bgs. Following the overburden drilling at each location, a stainless steel casing was cemented from the surface to the bedrock interface and allowed to cure for at least 24 hours prior to bedrock drilling activities to ensure a pathway for potential near-surface contamination was not created. The exception to this method was at monitoring well MW10D, where stainless steel casing was installed to the depth of MW2D (approximately 50-feet bgs), and evidence of coal tar had been observed in the past. Each well was constructed with ten feet of 2-inch inside diameter (i.d.), Schedule 40 polyvinyl chloride (PVC) well screen with 0.010-inch machined slots and the remainder consisting of blank riser pipe. A type #1 sand filter pack was installed around the screen to approximately two feet above the top of the screen. One foot of #00 sand were installed around the blank riser pipe above the #1-type sand filter pack. The remaining annular space was filled with a cement/bentonite grout. Protective flush-mounted monuments were installed at the ground surface of each well location. Boring logs for each well location are provided as Attachment A.

Soil boring activities were completed using a track-mounted direct push (*i.e.*, Geoprobe) drilling unit, and borings were completed to bedrock refusal, which occurred at approximately 6 to 8 feet below ground surface (bgs) in both areas. Upon completion of the soil sampling activities, soil borings were backfilled with bentonite and/or soil cuttings and patched with asphalt or concrete as appropriate.

Both rotary drilling and Geoprobe drilling services were provided by Nothnagle Drilling, Inc. (Nothnagle), of Scottsville, New York, a New York certified well driller. All drilling mud was containerized in 55-gallon drums for off-site disposal. All monitoring wells (existing and new) were developed by pumping until the water was visibly free of sediment. All development and decontamination water was disposed directly to the site's treatment system via trench drains.

ENVIRON initially planned to collect groundwater samples from five previously existing on-site monitoring wells (MW-1D, MW-2S, MW-3D, MW-5S, and either MW-7D or MW-2D). During the Phase II investigation, ENVIRON determined that the MW-1D well was damaged and field personnel were unable to insert a bladder pump down the well to collect a sample. Additionally, the flush mount monument for MW-2S had been removed and was lying on the ground near the monitoring well location and the monitoring well itself could not be located, so no sample was collected from this well. Monitoring well MW-3D had been paved over with asphalt but, during ENVIRON's Phase II activities, facility personnel were able to locate and uncover the well so that a sample could be collected. Because monitoring wells MW-2D and MW-7D are screened in the same interval and are located less than 10 feet apart², ENVIRON had decided to collect only one sample from one of the two wells. During the field activities, ENVIRON determined that monitoring well MW-2D contained significant residual coal tar from prior coal tar recovery activities from this well such that a sample from this well was unlikely to yield results indicative of the subsurface in the vicinity of the well (i.e., the sample was likely to be contaminated by residual material coated to the walls and base of the well). Consequently, ENVIRON collected a sample from well MW-7D to characterize groundwater conditions at the interface of the Grimsby Sandstone and Power Glen Shale in this area of the site.

Laboratory analytical services were provided by TestAmerica Laboratories of Buffalo, New York. All samples collected during the site investigation were placed directly into laboratory-provided glassware and stored on ice in a cooler under appropriate chain-of-custody protocol. Groundwater samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260, for semivolatile organic compounds (SVOCs) by USEPA Method 8270, and for lead by USEPA Method 6010B. Soil samples from the MW-5S area were sampled for lead by

² According to a November 30, 2006 letter from Benchmark Environmental to the NYSDEC, monitoring well MW-7D was installed seven feet west of well MW-2D.

USEPA Method 6010B and soil samples from the B-6 area were analyzed for VOCs by USEPA Method 8260. Laboratory data sheets are provided as Attachment B.

Soil Sampling Results

MW-5S Area

In the 1999 Phase II investigation, the soil sample collected from the boring that became well MW-5S contained 19,200 mg/kg of lead. If excavated for off-site disposal, soil with such concentrations could be identified as a hazardous waste based on testing. Consequently, ENVIRON attempted to better evaluate the area of significant lead impacts in the vicinity of MW-5S during the Phase II investigation.

A total of six soil borings were advanced to refusal in the vicinity of MW-5S (SB01 to SB06), the locations of which are shown in Figure 2A. Bedrock refusal in this area was encountered from 6 to 8 feet bgs, and overlying soils consisted mainly of black silty sands and gravels with red-brick pieces, cinders, and woody material throughout. Soil samples were collected from three intervals at each boring location and analyzed for lead. Analytical results for the MW-5S area samples are summarized on Table 1.

As required by Commissioner Policy (CP)-51/Soil Cleanup Guidance ("CP-51") for sites in the RCRA Corrective Action Program, the analytical results are compared to unrestricted soil cleanup objectives (SCOs); however, CP-51 also allows the use of alternative remediation standards if achieving unrestricted SCOs is "not feasible" at the RCRA Corrective Action site. Consequently, ENVRON also compared the lead analytical results to the Industrial SCOs. Of the 18 soil samples that were analyzed for lead from the MW-5S area, only two samples contained lead concentrations that do not exceed the unrestricted SCO for lead of 63 mg/kg. One sample, from the 2.0 to 3.0 feet bgs interval in boring SB-02, contained a lead concentration that exceeds the Industrial SCO for lead of 3,900 mg/kg. SB-02 is located adjacent to MW-5S, where the other elevated lead concentration was identified. Based on the analytical results for other samples from the SB-02 boring and other nearby borings, the area of elevated lead concentrations above the Industrial SCO appears to be less than 900 square feet.

Former B-6 Boring Location

A total of seven soil borings (SB07 to SB13) were advanced to refusal in the vicinity of boring B-6 from the 1999 investigation. The locations of these borings are shown in Figure 2B. Bedrock refusal in this area was encountered from 6 to 8 feet bgs, and overlying soils consisted mainly of black to brown silts and sands with lesser amounts of cinders throughout. One soil sample from the interval containing the greatest field screened reading using a photoionization detector (PID) was collected from each boring. Analytical results for the B-6 area borings are summarized on Table 1.

As with the MW-5S area, sample results were compared to CP-51 Unrestricted SCOs and Industrial SCOs. None of the samples contained VOC concentrations that exceed the Industrial SCOs. The chloroform concentration (76 mg/kg) in the sample from boring SB11 exceeds the Unrestricted SCO (0.37 mg/kg) and the Protection of Groundwater SCO (0.37 mg/kg). The methylene chloride concentration (0.076 mg/kg) in the sample from SB-13 exceeds the Unrestricted SCO (0.05 mg/kg) and the Protection of Groundwater SCO (0.05 mg/kg). No other VOC concentration from the B-6 area samples exceeds an SCO. Based on the soil analytical results, widespread VOC contamination in the vicinity of B-6 does not appear to be present.

ENVIRON also observed cores collected from the borings in this area for evidence of coal tar based on the apparent former presence of a pitch tank in this area and the prior polycyclic aromatic hydrocarbon results from the B-6 soil sample. No evidence of coal tar was observed in



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any of the borings. Consequently, soil samples from the B-6 area were not analyzed for SVOCs.

Ground Water Sampling Results

Groundwater samples were collected from the four new-installed wells and three of the previously-existing monitoring wells via low flow (*i.e.*, micropurge) methods using dedicated tubing and bladder pumps. Each well was purged for at least 20 minutes to allow ground water parameters to stabilize prior to sample collection. Laboratory analytical results for the groundwater samples are summarized on Table 2 and compared to the Ground Water Quality Standards contained in New York State Part 703 (the "GWQS").

With the exception of the groundwater sample from monitoring well MW-5S, each sample contained multiple VOCs at concentrations exceeding the GWQS, including chlorinated aliphatics (e.g., PCE, TCE, vinyl chloride), chlorinated aromatics (chlorobenzene, dichlorobenzene), and hydrocarbons (e.g., toluene, xylenes). No VOCs were detected in the sample from MW-5S, which is the only well screened in the overburden material at the site from which a sample could be collected. Both upgradient wells that are screened across the interface between the Grimsby Sandstone and the Power Glen Shale (MW-4DR and MW-8D) contained chlorinated VOCs at concentrations exceeding the GWQS. Concentrations are greater in the sample from the western upgradient well (MW-4DR) than in the eastern upgradient well (MW-8D). The MW-8D sample contained only chloroform and 1,1-dichloroethane at concentrations exceeding the GWQS and the concentration of these compounds were only approximately two times the standard.



The greatest concentrations of chlorinated VOCs were identified in wells MW-9D, which is located outside the laboratory building and east of the phosgene production area; MW-4DR, which is located on the western upgradient property boundary; and MW-3D, which is located on the western downgradient boundary of the developed area of the site. Concentrations of several chlorinated VOCs in these wells exceed 100 µg/L. In the sample collected from the only well to extend to the top of the Whirlpool Sandstone, MW-10D, chloroform is the only VOC identified to exceed the GWQS. According to facility personnel, significant quantities of chlorobenzene, toluene, and xylenes, each of which are found in groundwater samples collected from the site, are still used. Chloroform is also still used at the site, but in lesser quantities. According to facility personnel, other chlorinated aliphatics, like tetrachloroethylene (PCE) and trichloroethylene (TCE), are no longer used.

Certain SVOCs were detected in the groundwater samples collected from the site; however, the maximum concentration of any SVOC in any sample is 32 µg/L of acenaphthene in the sample from upgradient well MW-4DR. New York State has promulgated GWQS for only a few SVOCs; however, based on the identified concentrations, none of the SVOC sample results appear indicative of a nearby coal tar source. The sample from monitoring well MW-10D, which is a deep well screened at the interface between the Power Glen Shale and the Whirlpool Sandstone near well MW-2D, was intended to evaluate potential further vertical migration of coal tar in this area. The sample results provide no evidence that such vertical migration has occurred in this area.

Only the groundwater sample from monitoring well MW-5S contained lead concentrations that exceed the GWQS, where lead impacts in soil have already been identified. Based on the results, it does not appear that groundwater over a large area of the site has been impacted by lead.

Summary of Findings

ENVIRON completed a Phase II investigation of the VDM site in Lockport, NY in order to better understand the nature and extent of contamination previously identified at the site. Based on observations and analytical results from samples from the investigation, ENVIRON finds that:

- 1. Groundwater near the upgradient property boundary at the site has been impacted by chlorinated VOCs and, to a lesser extent, polycyclic aromatic hydrocarbons, suggesting that sources upgradient of the current site but potentially on property previously owned and operated by VDM could be contributing to contamination at the site. In particular, the sample from upgradient well MW-4DR contained some of the greatest concentrations of chlorobenzene, chloroethane, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, toluene, 1,1,1-trichloroethane and vinyl chloride. As discussed above, only chlorobenzene and, to a lesser extent, chloroform continue to be used by the facility according to facility personnel.
- 2. Although a former pitch tank appears to have been previously present in the vicinity of boring B-6 from the 1999 investigation at the site, no evidence of significant coal tar contamination was identified in this area.
- 3. No evidence that coal tar or chlorinated VOC dense, non-aqueous phase liquid (DNAPL), has migrated to the top of the Whirlpool Sandstone was identified in the investigation.
- 4. Significant chloroform soil contamination was not identified in the vicinity of soil boring B-6 from the 1999 investigation as suspected based on prior soil sampling results.
- 5. Significant concentrations of lead are present in the vicinity of well MW-5s over an area less than 900 square feet.
- 6. Groundwater contamination by chlorinated VOCs was identified in all wells screened across the interface between the Grimsby Sandstone and the Power Glen Shale.

ENVIRON's Phase II investigation did not discover significant contamination that was not previously identified at the site. If you would like to discuss the investigation or our findings, please call Mike at (609) 243-9811 or Drew at (609) 243-9874.

Sincerely,

Michael P. Scott

Principal

Andrew R. Bonas Senior Manager

MPS/ARB:cms

02-27767B/DM/PRIN_WP/32612v1.DOCX

Attachments

Tables

TABLE 1 Summary of Soil Sampling Results Van de Mark Chemical Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	MW5S AREA SB01 SB01-SS01 480-9139-1 1 - 1.5 GEOPROBE 8/30/2011	MW5S AREA SB01 SB01-SS02 480-9139-2 2 - 2.5 GEOPROBE 8/30/2011	MW5S AREA SB01 SB01-SS03 480-9139-3 7 - 7.5 GEOPROBE 8/30/2011
VOC							
	Acetone	0.05	1000	0.05			
	Carbon Disulfide						
	Chloroform	0.37	700	0.37			
	Ethyl Benzene	1	780	1			
	Methylcyclohexane						
	Methylene Chloride	0.05	1000	0.05			
	Tetrachloroethene	1.3	300	1.3	•		
	Toluene	0.7	1000	0.7			
	Xylenes (total)	0.26	1000	1.6			
INORG							
	Lead	63	3900	450	139 (1.4)	<u>247 (1.3)</u>	13.9 (1)

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Unrestricted are <u>underlined</u>.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are <u>double underlined</u>.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

 $\mathbf{v}_{i} \in \mathbb{N}$

- U -- Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.







	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective – Protection of Groundwater	MW5S AREA SB02 SB02-SS01 480-9139-4 1 - 1.5 GEOPROBE 8/30/2011	MW5S AREA SB02 SB02-SS02 480-9139-5 2.5 - 3 GEOPROBE 8/30/2011	MW5S AREA SB02 SB02-SS03 480-9139-6 7 - 7.5 GEOPROBE 8/30/2011
VOC			1000				<u></u>
	Acetone	0.05	1000	0.05			
	Carbon Disulfide						
	Chloroform	0.37	700	0.37			
	Ethyl Benzene	1	780	1			
	Methylcyclohexane						
	Methylene Chloride	0.05	1000	0.05			
	Tetrachloroethene	1.3	300	1.3			
	Toluene	0.7	1000	0.7			
	Xylenes (total)	0.26	1000	1.6			
INORG	, , ,						
	Lead	63	3900	450	<u>73.9 (1.2)</u>	<u>3970 (1.3)</u>	<u>158 (1.1)</u>
Notes:							

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.

TABLE 1 Summary of Soil Sampling Results Van de Mark Chemical Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	MW5S AREA SB03 SB03-SS01 480-9139-7 0.5 - 1 GEOPROBE 8/30/2011	MW5S AREA SB03 SB03-SS02 480-9139-8 2 - 2.5 GEOPROBE 8/30/2011	MW5S AREA SB03 SB03-SS03 480-9139-9 4 - 4.5 GEOPROBE 8/30/2011
VOC							
	Acetone	0.05	1000	0.05			
	Carbon Disulfide						
	Chloroform	0.37	700	0.37			
	Ethyl Benzene	1	780	1			
	Methylcyclohexane						
	Methylene Chloride	0.05	1000	0.05			
	Tetrachloroethene	1.3	300	1.3			
	Toluene	0.7	1000	0.7			
	Xylenes (total)	0.26	1000	1.6			
INORG	•						
	Lead	63	3900	450	<u>81.6 (1)</u>	<u>182 (1.4)</u>	<u>123 (1.3)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Unrestricted are <u>underlined</u>.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are <u>double underlined</u>.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.





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Summary of So mpling Results
Van de Mark Chemical
Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	MW5S AREA SB04 SB04-SS01 480-9139-10 1 - 1.5 GEOPROBE 8/30/2011	MW5S AREA SB04 SB04-SS02 480-9139-11 2.5 - 3 GEOPROBE 8/30/2011	MW5S AREA SB04 SB04-SS03 480-9139-12 4 - 4.5 GEOPROBE 8/30/2011
VOC							
	Acetone	0.05	1000	0.05			
	Carbon Disulfide						
	Chloroform	0.37	700	0.37		•	
	Ethyl Benzene	1	780	1			
	Methylcyclohexane						
	Methylene Chloride	0.05	1000	0.05			
	Tetrachloroethene	1.3	300	1.3			
	Toluene	0.7	1000	0.7			
	Xylenes (total)	0.26	1000	1.6			
INORG					5 44 40	27 2 44 21	
	Lead	63	3900	450	8 (1.1)	<u>95.8 (1.3)</u>	<u>72.7 (1.2)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are <u>double underlined</u>.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () Detection Limit.

TABLE 1 Summary of Soil Sampling Results Van de Mark Chemical

Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	MW5S AREA SB05 SB05-SS01 480-9139-13 1 - 1.5 GEOPROBE 8/30/2011	MW5S AREA SB05 SB05-SS02 480-9139-14 3 - 3.5 GEOPROBE 8/30/2011	MW5S AREA SB05 SB05-SS03 480-9139-15 4 - 4.5 GEOPROBE 8/30/2011
VOC							
	Acetone	0.05	1000	0.05			
	Carbon Disulfide						
	Chloroform	0.37	700	0.37			
	Ethyl Benzene	1	780	1			
	Methylcyclohexane						
	Methylene Chloride	0.05	1000	0.05			
	Tetrachloroethene	1.3	300	1.3			
	Toluene	0.7	1000	0.7			
	Xylenes (total)	0.26	1000	1.6			
INORG							
	Lead	63	3900	450	<u>364 (1.2)</u>	<u>603 (1.2)</u>	<u>345 (1.1)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.





Summary of Scampling Results
Van de Mark Chemical
Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	MW5S AREA SB06 SB06-SS01 480-9139-16 0 - 0.5 GEOPROBE 8/30/2011	MW5S AREA SB06 SB06-SS02 480-9139-17 2 - 2.5 GEOPROBE 8/30/2011	MW5S AREA SB06 SB06-SS03 480-9139-18 4 - 4.5 GEOPROBE 8/30/2011
VOC			· · · · · · · · · · · · · · · · · · ·				_
	Acetone	0.05	1000	0.05			
	Carbon Disulfide						
	Chloroform	0.37	700	0.37			
	Ethyl Benzene	1	780	1			
	Methylcyclohexane						
	Methylene Chloride	0.05	1000	0.05			
	Tetrachloroethene	1.3	300	1.3			
	Toluene	0.7	1000	0.7			
	Xylenes (total)	0.26	1000	1.6			
INORG		22	2000	,	450 (4)		
	Lead	63	3900	450	<u>159 (1)</u>	<u>410 (1.2)</u>	<u>67.7 (1.4)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective – Unrestricted are <u>underlined</u>.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective – Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.

TABLE 1 Summary of Soil Sampling Results Van de Mark Chemical Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective – Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	FORMER B6 BORING AREA SB07 SB07-SS01 480-9139-19 0.5 - 1 GEOPROBE 8/30/2011	FORMER B6 BORING AREA \$B08 \$B08-\$\$01 480-9139-20 4 - 4.5 GEOPROBE 8/30/2011
VOC						
	Acetone	0.05	1000	0.05	U (0.026)	0.018 J (0.025)
	Carbon Disulfide				U (0.0052)	U (0.005)
	Chloroform	0.37	700	0.37	0.037 (0.0052)	0.13 (0.005)
	Ethyl Benzene	1	780	1	U (0.0052)	U (0.005)
	Methylcyclohexane				U (0.0052)	U (0.005)
	Methylene Chloride	0.05	1000	0.05	0.0049 J (0.0052)	0.0043 J (0.005)
	Tetrachloroethene	1.3	300	1.3	0.00094 J (0.0052)	U (0.005)
	Toluene	0.7	1000	0.7	0.0013 J (0.0052)	U (0.005)
	Xylenes (total)	0.26	1000	1.6	0.0031 J (0.01)	0.0011 J (0.0099)
INORG					,	, , , , , , , , , , , , , , , , , , , ,
	Lead	63	3900	450		

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective Industrial are <u>double underlined</u>.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective – Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () Detection Limit.



TATE 1 Summary of Sempling Results Van de Mark Chemical Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	FORMER B6 BORING AREA SB09 SB09-SS01 480-9139-21 1.5 - 2 GEOPROBE 8/30/2011	FORMER B6 BORING AREA SB10 SB10-SS01 480-9139-22 2 - 2.5 GEOPROBE 8/30/2011
voc						
	Acetone	0.05	1000	0.05	0.01 J (0.046)	0.0095 J (0.03)
•	Carbon Disulfide				0.0063 J (0.0092)	U (0.006)
	Chloroform	0.37	700	0.37	0.27 (0.0092)	0.2 (0.006)
	Ethyl Benzene	1	780	1	U (0.0092)	U (0.006)
	Methylcyclohexane				0.0024 J (0.0092)	0.00092 J (0.006)
	Methylene Chloride	0.05	1000	0.05	0.0061 J (0.0092)	0.0047 J (0.006)
	Tetrachloroethene	1.3	300	1.3	0.0034 J (0.0092)	0.0014 J (0.006)
	Toluene	0.7	1000	0.7	U (0.0092)	U (0.006)
	Xylenes (total)	0.26	1000	1.6	Ú (0.018)	0.021 (0.012)
INORG						
	Lead	63	3900	450		

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective – Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Protection of Groundwater are boldfaced.

- U Not Detected.
- J -- Estimated Concentration.
- () Detection Limit.

TABLE 1 Summary of Soil Sampling Results Van de Mark Chemical Lockport, NY

	Area Of Concern Location ENVIRON Sample ID Lab Sample ID Collection Depth(ft) Sample Method Sample Date Comments	NYSDEC Soil Cleanup Objective Unrestricted	NYSDEC Soil Cleanup Objective Industrial	NYSDEC Soil Cleanup Objective Protection of Groundwater	FORMER B6 BORING AREA SB11 SB11-SS01 480-9139-23 1 - 1.5 GEOPROBE 8/30/2011	FORMER B6 BORING AREA \$B12 \$B12-\$\$01 480-9139-24 2.5 - 3 GEOPROBE 8/30/2011
VOC						
	Acetone	0.05	1000	0.05	U (0.043)	U (0.024)
	Carbon Disulfide				0.0043 J (0.0087)	U (0.0048)
	Chloroform	0.37	700	0.37	<u>76 D (0.88)</u>	0.015 (0.0048)
	Ethyl Benzene	1	780	1 ·	U (0.0087)	U (0.0048)
	Methylcyclohexane				U (0.0087)	U (0.0048)
	Methylene Chloride	0.05	1000	0.05	0.0074 J (0.0087)	0.0065 (0.0048)
	Tetrachloroethene	1.3	300	1.3	0.004 J (0.0087)	U (0.0048)
	Toluene	0.7	1000	0.7	U (0.0087)	U (0.0048)
	Xylenes (total)	0.26	1000	1.6	U (0.017)	U (0.0096)
INORG						
	Lead	63	3900	450		

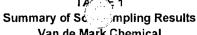
Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are <u>underlined</u>.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are <u>double underlined</u>.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective — Protection of Groundwater are boldfaced.

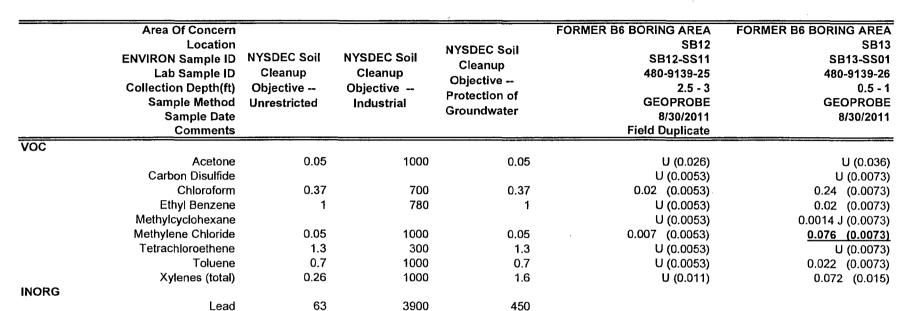
Abbreviations:

- U -- Not Detected.
- J Estimated Concentration.
- () -- Detection Limit.





Van de Mark Chemical Lockport, NY



Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective – Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective --Protection of Groundwater are boldfaced.

Abbreviations:

- U Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.

Sample Method Sample Date Comments	tor Human Healtn (Water Source)	for Human Health (Water	MICKUPUKGE 9/2/2011	MICKUPUKGE 9/1/2011	9/1/2011	9/1/2011	9/2/2011	9/2/2011 Field Duplicate	9/1/2011	9/2
Analyte	N	Source) (W10D-2011.09022)	≅MW40D±110902	MW3D=#10904	MW4DR21/109010	EMW5S\$11090165	©MW7D\$H'0902 ∂		#MW8D£110901%	″≋MW9D3I
Acetone		50	9.4 J (10)	U (10)	3.1 J (10)	U (10)	U (10)	U (10)	10 (10)	
Benzene	1		U (1)	U (1)	<u>3.7 (1)</u>	U (1)	U (1)	U (1)	0.55 J (1)	
Bromodichloromethane		50	12 (1)	U (1)	U (1)	U (1)	U (1)	U (1)	3.4 (1)	3.
Carbon Disulfide	60	60	1.6 (1)	´U (1)	0.66 J (1)	U (1)	U (1)	U (1)	2.2 (1)	
Chlorobenzene	5 *		U (1)	U (1)	<u>46 (1)</u>	U (1)	U (1)	U (1)	1.6 (1)	<u>37</u>
Chloroethane	5 *		U (1)	2.1 (1)	<u>33 (1)</u>	U (1)	4.4 (1)	5 (1)	3.8 (1)	
Chloroform	7		<u>35 (1)</u>	U (1)	<u>42 (1)</u>	U (1)	0.5 J (1)	0.49 J (1)	<u>14 (1)</u>	<u>19</u>
Cumene	5 *		U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	<u>15</u> 5
Cyclohexane			U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	6.
Dibromochloromethane		50	4.2 (1)	U (1)	U (1)	U (1)	U (1)	U (1)	1.3 (1)	
1,4-Dichlorobenzene	3		U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	<u>5</u> .
1,1-Dichloroethane	_, 5 *		U (1)	<u>160 D (4)</u>	230 D (4)	U (1)	<u>22 (1)</u>	<u>24 (1)</u>	<u>9.5 (1)</u>	
1,2-Dichloroethane	0.6		U (1)	<u>28 (1)</u>	49 (1)	U (1)	0.95 J (1)	1 (1)	U (1)	
1,1-Dichloroethene	5 *		U (1)	<u>65 (1)</u>	130 D (4)	U (1)	3 (1)	3.4 (1)	3.5 (1)	
cis-1,2-Dichloroethene	5 *		U (1)	0.93 J (1)	1.4 (1)	U (1)	U (1)	U (1)	U (1)	
1,2-Dichloropropane	1		U (1)	1.4_(1)	<u>6 (1)</u>	U (1)	U (1)	U (1)	U (1)	
Ethyl Benzene			U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	<u>29</u>
Methylcyclohexane			U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	1
Methylene Chloride	5 *		U (1)	U (1)	12 (1)	U (1)	0.61 J (1)	0.62 J (1)	U (1)	£
Tetrachloroethene	5 *		U (1)	U (1)	0.47 J (1)	U (1)	U (1)	U (1)	U (1)	•
Toluene	5. * 5. *		0.79 J (1)	U (1)	1.7 (1)	U (1)	U (1)	U (1)	0.72 J (1)	2
1,1,1-Trichloroethane	3		U (1)	<u>31 (1)</u>	<u>46 (1)</u>	U (1)	1.5 (1)	1.6 (1)	U (1)	
Trichloroethene Vinyl Chloride	5 *		U (1)	1.4 (1)	3.1 (1)	U (1)	U (1)	U (1)	U (1)	
Xylenes (total)			U (1)	<u>28_(1)</u> U (2)	27_(1) 0.77 J (2)	U (1)	1.5 (1) 0.69 J (2)	1.7 (1) U (2)	U (1)	1400
Ayleries (total)	3		1.6 J (2)	0 (2)	0.77 3 (2)	U (2)	0.09 3 (2)	0 (2)	U (2)	<u>1400</u>
Acenaphthene			U (5.4)	2.7 J (5.2)	32 (5.4)	U (5)	3.4 J (5.4)	0.91 J (5.7)	1.5 J (5.8)	0.6
Acetophenone			U (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	2.7
Anthracene		50	U (5.4)	U (5.2)	0.47 J (5.4)	U (5)	U (5.4)	U (5.7)	บ (5.8)	ι
Benzaldehyde			0.66 J (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	ι
Benzo(a)anthracene		0.002	U (5.4)	U (5.2)	U (5.4)	0.61 J (5)	U (5.4)	U (5.7)	U (5.8)	į
Benzo(a)pyrene			U (5.4)	U (5.2)	U (5.4)	0.54 J (5)	U (5.4)	U (5.7)	U (5.8)	ι
Benzo(b)fluoranthene		0.002	U (5.4)	U (5.2)	U (5.4)	0.54 J (5)	U (5.4)	U (5.7)	U (5.8)	ι
Benzo(g,h,i)perylene			U (5.4)	U (5.2)	U (5.4)	0.38 J (5)	U (5.4)	U (5.7)	U (5.8)	t
bis(2-Chloroethyl) ether	1		U (5.4)	U (5.2)	<u>1.5 J (5.4)</u>	U (5)	U (5.4)	U (5.7)	U (5.8)	l
bis(2-Ethylhexyl)phthalate	5		U (5.4)	U (5.2)	2.1 J (5.4)	2.8 J (5)	U (5.4)	2.1 J (5.7)	4 J (5.8)	ı
Carbazole			U (5.4)	1.7 J (5.2)	11 (5.4)	U (5)	3.1 J (5.4)	2.1 J (5.7)	U (5.8)	ι
Chrysene		0.002	U (5.4)	U (5.2)	U (5.4)	0.68 J (5)	U (5.4)	U (5.7)	U (5.8)	ι
Dibenzofuran			U (11)	1.3 J (10)	9.1 J (11)	U (10)	3.2 J (11)	2.3 J (11)	U (12)	
Diethylphthalate		50	U (5.4)	0.52 J (5.2)	U (5.4)	1.5 J (5)	U (5.4)	U (5.7)	1.6 J (5.8)	l
2,4-Dimethylphenol		50	U (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	0.95
Di-n-butylphthalate	50		U (5.4)	0.57 J (5.2)	0.6 J (5.4)	U (5)	U (5.4)	U (5.7)	0.63 J (5.8)	l
Fluoranthene		50	U (5.4)	U (5.2)	U (5.4)	0.74 J (5)	U (5.4)	U (5.7)	U (5.8)	ļ
Fluorene Naphthalene		50	U (5.4)	0.75 J (5.2)	9.6 (5.4)	U (5)	1.8 J (5.4)	1.6 J (5.7)	U (5.8)	0.00
N-Nitrosodiphenylamine		50	U (5.4)	U (5.2) U (5.2)	1 J (5.4)	U (5)	U (5.4)	U (5.7)	3 J (5.8)	0.92
N-Nitrosogiphenylamine Pentachlorophenol		50	Ս (5.4) Ս (11)	U (5.2) U (10)	U (5.4) 5.1 J (11)	U (5)	U (5.4) U (11)	U (5.7)	0.61 J (5.8)	,
Phenanthrene		50	U (5.4)	U (5.2)	3.9 J (5.4)	U (10) U (5)	U (5.4)	Մ (11) U (5.7)	U (12) U (5.8)	
Phenol		30	U (5.4)	U (5.2)	U (5.4)	U (5)	0.83 J (5.4)	U (5.7)	U (5.8)	1
Pyrene		50	U (5.4)	U (5.2)	U (5.4)	1.2 J (5)	U (5.4)	U (5.7)	U (5.8)	1
i yiche		30	J (0.4)	0 (0.2)	O (0.4)	1.20(0)	0 (0.4)	3 (0.7)	O (0.0)	`
Lead	25		5 (5)	U (5)	U (5)	67 (5)	U (5)	U (5)	5.4 (5)	3.
			- (-)	- 37/	- 1-/		- (-)	- (*)		٠.

concentrations are ented in ug/L (ppb).

ly compounds with at least one detection are shown.

Ly compounds with at least one detection are shown.





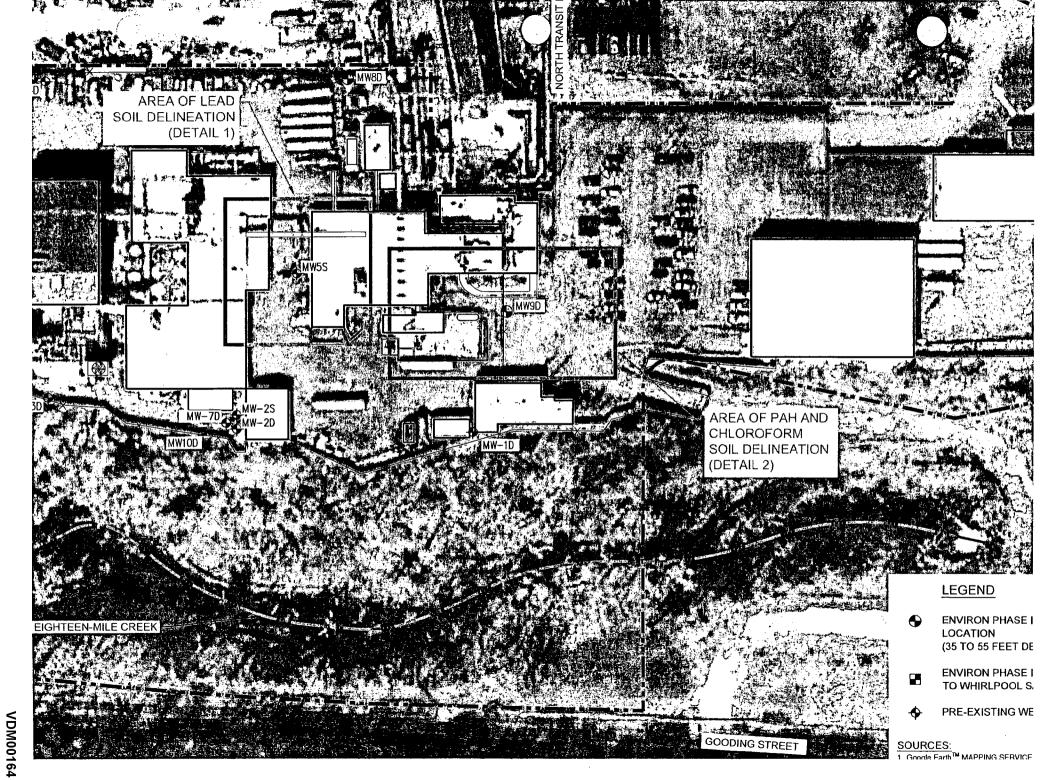
	Location	QAQC	QAQC
	ENVIRON Sample ID	TB-110830	TB-110902
	Lab Sample ID	480-9139-27	480-9354-9
	Matrix	Blank Water	Blank Water
	Sample Date	8/30/2011	9/2/2011
	Comments	Trip Blank	Trip Blank
VOC			
	Methylene Chloride	3.7 (1)	U (1)
N. 4		* *	

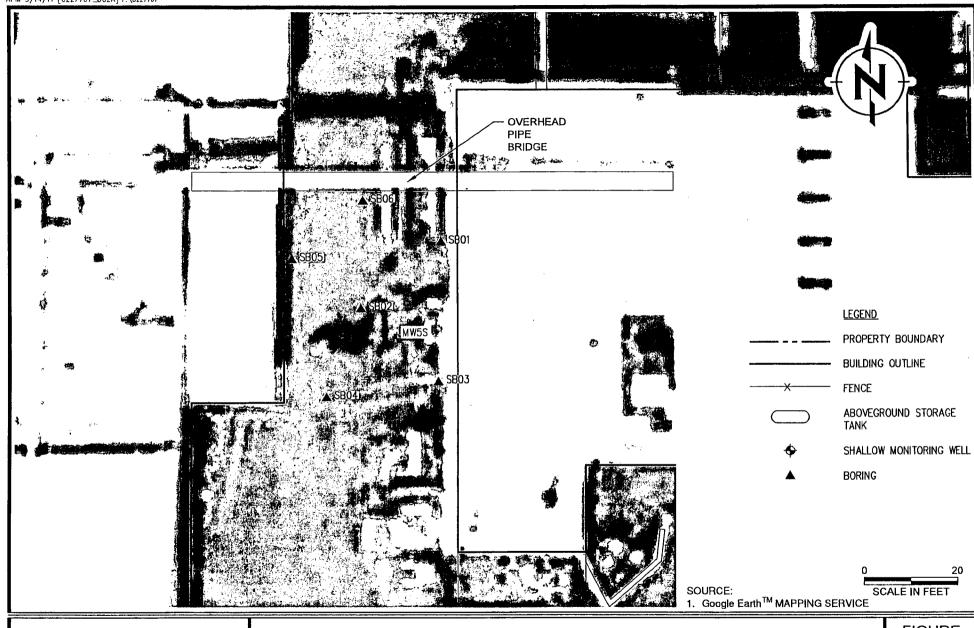
Notes:

- 1 All concentrations are presented in ug/L (ppb).
- 2 Only compounds with at least one detection are shown.

Abbreviations:

- U -- Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.







PHASE II INVESTIGATION SAMPLING LOCATIONS - DETAIL 1

VANTSMARK CHEMICAL, INC. KPORT, NEW YORK

FIGURE **2A**

0227767A

VANDEMARK CHEMICAL, INC. LOCKPORT, NEW YORK

0227767A

VDM00166

DRAFTED BY: KPM

www.environcorp.com

DATE: 9/13/2011

BORING #:	SB01	ENVIRON
DATE:	August 30, 2011	BORING LOG
ART TIME:	0835	PROJECT: VDM: Lockport, NY
LUGGED BY:	J. Shipley	Theorem very restriction
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
RIG: SAMPLING METHOD:	Geoprobe 6610DT Track Unit Geoprobe Macro-Core	COMMENTS: Lead Soil Delineation Area
SAMPLING METHOD:	Geoprobe Macro-Core	
SAMPLING METHOD: BORING DIA:	Geoprobe Macro-Core 2-inch	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	SB01-SS01 (1.0 – 1.5) for lead.	0.0 – 1.0 Gray silty sand and gravel. 1.0 – 3.0 Black silt with red-brick pieces,
4-8	NA	3.5	ND	SB01-SS02 (2.0 – 2.5) for lead. SB01-SS03 (7.0 – 7.5) for lead.	gravel, woody fragments. 3.0 – 4.0 No recovery. 4.0 – 7.0 Black silty sand and gravel, moist to wet. 7.0 – 7.5 Red/brown sandy silt, damp. Refusal at ~7.5' bgs.

BORING #:	SB02	CNVIDON
DATE:	August 30, 2011	ENVIRON BORING LOG
START TIME:	0900	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	1
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Lead Soil Delineation Area
BORING DIA:	2-inch	
BORING DEPTH	7.5-feet	
ORGANIC VAPOR	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0-4	NA	3.5	ND	<u>SB02-SS01</u> (1.0 – 1.5) for lead.	0.0 – 0.5 Gray Gravel. 0.5 – 2.0 Black silt and fine sand.
4 – 8	NA	3.5	ND .	SB02-SS02 (2.5 – 3.0) for lead. SB02-SS03 (7.0 – 7.5) for lead.	2.0 – 2.5 Red/brown silty fine sand. 2.5 – 3.5 Black silty fine to medium sand, gravel. 4.0 – 7.0 Black fine sand and gravel, wet. 7.0 – 7.5 Red sandy silt with gray sandy rock fragments. Refusal at ~7.5' bgs.

BORING #:	SB03	ENVIRON
DATE:	August 30, 2011	BORING LOG
RT TIME:	0915	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Lead Soil Delineation Area
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	
	ORGANIC	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
					DESCRIPTION 0.0 – 1.0 Gray silt with fine sand. 1.0 – 3.0 Black silt and gravel, red sandy rock fragments and cinder-like material throughout. 3.0 – 4.0 No recovery. 4.0 – 6.5 Black silty fine sand, wet in places. Refusal at ~6.5' bgs.
	<u> </u>			<u> </u>	

The state of the s		
BORING #:	SB04	ENVIRON
DATE:	August 30, 2011	BORING LOG
START TIME:	0938	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Lead Soil Delineation Area
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND, 7.3 (2.5- 3)	<u>SB04-SS01</u> (1.0 – 1.5) for	0.0 – 1.0 Gray gravel.
4-8	NA	2.5			1.0 – 2.5 Black silt and gravel, red-brick pieces and cinders. 2.5 – 3.0 Black silt and gravel, with wood, fragments, many cinders. 3.0 – 4.0 No recovery. 4.0 – 6.0 Black silty fine to medium sand and gravel, moist to wet at base. 6.0 – 6.8 Red silt and gravel. Refusal at ~6.8' bgs.

BORING #:	SB05	ENVIRON
DATE:	August 30, 2011	BORING LOG
RT TIME:	0950	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE # 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Lead Soil Delineation Area
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet]
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
				SAMPLE(S) DESIGNATION SB05-SS01 (1.0 - 1.5) for lead. SB05-SS02 (3.0 - 3.5) for lead. SB05-SS03 (4.0 - 4.5) for lead.	DESCRIPTION 0.0 – 1.0 Gray gravel. 1.0 – 3.5 Black silt with cinders, red-brick pieces. 4.0 – 6.5 Black silty fine to medium sand with cinders, wet at base. Refusal at ~6.5' bgs.

MENTS:

BORING #:	SB06	CNVIDON
DATE:	August 30, 2011	ENVIRON BORING LOG
START TIME:	1008	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Lead Soil Delineation Area
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	<u>SB06-SS01</u> (0.0 – 0.5) for lead.	0.0 – 1.0 Gray silt with yellow fine sand. 1.0 – 3.0 Black fine sandy silt, red-brick
4 – 8	NA	2.5	ND	leau.	pieces, trace cinders, pinkish sandy rock fragment at ~2.5'.
	•			<u>SB06-SS02</u> (2.0 – 2.5) for	3.0 – 4.0 No recovery.
				` lead.	4.0 – 6.0 Black silty fine to medium sand and gravel, moist to wet.
				SB06-SS03	6.0 – 6.5 Red silt.
				(4.0 – 4.5) for lead.	Refusal at ~6.5' bgs.

BORING #:	SB07	CNVLDON
DATE:	August 30, 2011	€ N V I R O N BORING LOG
RT TIME:	1100	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Former "B6" Boring Area
BORING DIA:	2-inch	
BORING DEPTH	3.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	
	ORGANIC	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION		
(feet) 0 – 4	NA	1.5	(ppm) ND, 0.4, ND	SB07-SS01 (0.5 – 1.0) for VOCs.	DESCRIPTION 0.0 – 1.0 Gray gravel and light brown silt. 1.0 – 1.5 Concrete pieces. Refusal at ~3.0' bgs.		
COMMENTS	COMMENTS:						



BORING #:	SB08	CNVIDON
DATE:	August 30, 2011	ENVIRON BORING LOG
START TIME:	1135	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE # 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Former "B6" Boring Area
BORING DIA:	2-inch	
BORING DEPTH	5.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	SB08-SS01 (4.0 – 4.5) for VOCs.	0.0 – 2.0 Black silt with cinders.
4 – 8	NA	1.0	ND	VOC3.	2.0 – 3.0 Black clayey silt. 3.0 – 4.0 No recovery.
					4.0 – 5.0 Red/brown silt, gray sandstone fragment at base.
					Refusal at ~5.0' bgs.

COMMENTS: Several offset locations attempted due to concrete refusal at ~1' bgs.



BORING #:			SB09		GNVIDON			
DATE:			August 30, 2011			ENVIRON BORING LOG		
RT TIME	i:		1200			PROJECT: VDM: Lockport, NY		
LOGGED BY	`: :		J. Shipl	еу		, ,		
DRILLING CO	O:		Nothnagle Dri	lling, Inc.		CASE# 02-27767B		
DRILLER:			J.Loran	ity		5. (SE 11 SE EL 101 B		
RIG:			Geoprobe 6610D	T Track Unit		COMMENTS:		
SAMPLING N	METHOD:		Geoprobe Ma	cro-Core		Former "B6" Boring Area		
BORING DIA	. :		2-inch)				
BORING DE	⊃ТН		2.5-fee	et				
ORGANIC V			PID (11.7	eV)		-		
DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION		DESCRIPTION		
0 – 4	NA	2.5	ND	SB09-SS01	0.	0 – 1.0 Dark brown silt and gravel.		
·				(1.5 – 2.0) for VOCs.	1.	0 – 2.5 Black silt with fine sand, cinders.		
(3)					R	efusal at ~2.5' bgs.		
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	•							
		:						
COMMENTS	:							

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BORING #:	SB10	ENVIRON		
DATE:	August 30, 2011	BORING LOG		
START TIME:	1210	PROJECT: VDM: Lockport, NY		
LOGGED BY:	J. Shipley			
DRILLING CO:	Nothnagle Drilling, Inc.	CASE # 02-27767B		
DRILLER:	J.Loranty			
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:		
SAMPLING METHOD:	Geoprobe Macro-Core	Former "B6" Boring Area		
BORING DIA:	2-inch			
BORING DEPTH	5.5-feet			
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)			

DEF (fe		BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 -	- 4	NA	3.5	ND	<u>SB10-SS01</u> (2.0 – 2.5) for	0.0 – 0.5 Brown silt and gravel.
					VOCs.	0.5 – 2.5 Black silt and fine sand, cinders.
4-	- 8	NA	1.5	ND		2.5 – 3.0 Red/brown silty fine sand.
		t				3.0 – 3.5 Gray sandstone fragments.
						4.0 – 5.5 Light red sandstone fragments.
						Refusal at ~5.5' bgs.



BORING #:	SB11	CNVIDON
DATE:	August 30, 2011	ENVIRON BORING LOG
RT TIME:	1225	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	·
DRILLING CO:	Nothnagle Drilling, Inc.	CASE # 02-27767B
DRILLER:	J.Loranty	Q = 1, 1, 0, 1
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Former "B6" Boring Area
BORING DIA:	2-inch	·
BORING DEPTH	5.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	
	OPCANIC	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.5	ND, 0.7, 1.9, ND, ND	SB11-SS01 (1.0 – 1.5) for VOCs.	0.0 – 2.5 Black silty fine sand with cinders, red sandstone fragments.
() – 8	NA	1.5	ND	VOCs.	2.5 – 4.0 No recovery. 4.0 – 5.0 Brown silt, wet. 5.0 – 5.5 Gray sandstone fragments in red silt. Refusal at ~5.5' bgs.

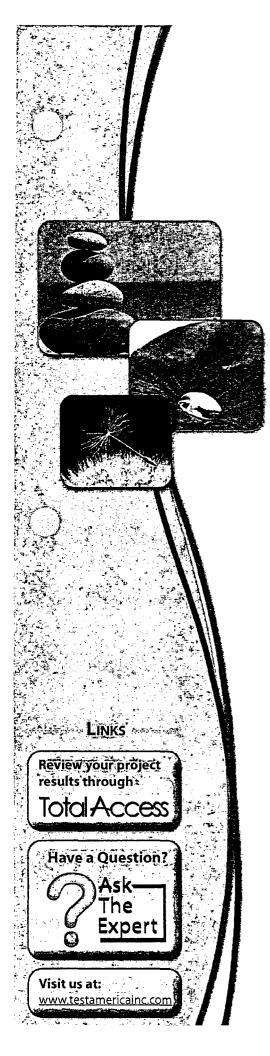


BORING #:	SB12	CHVIDON
DATE:	August 30, 2011	ENVIRON BORING LOG
START TIME:	1245	PROJECT: VDM: Lockport, NY
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	CASE# 02-27767B
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	COMMENTS:
SAMPLING METHOD:	Geoprobe Macro-Core	Former "B6" Boring Area
BORING DIA:	2-inch	
BORING DEPTH	7.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	<u>SB12-SS01</u> &	0.0 – 1.0 Brown silt and gravel.
4 – 8	NA	1.5	ND	& SB12-SS11 (2.5 – 3.0) for VOCs.	1.0 – 3.0 Red/brown silt and fine sand, trace black silt lenses. 3.0 – 4.0 No recovery. 4.0 – 5.5 Gray silty fine sand, much gravel, wet, red silt and gray sandstone rock fragments at base. Refusal at ~7.0' bgs.

BORING #:			SB13		-	ENVIRON			
DATE:			August 30,	2011			BORING LOG		
RT TIME:			1305			PROJECT:	VDM: Lockport, NY		
LOGGED BY:			J. Shipl	ey					
DRILLING CO:			Nothnagle Dri	lling, Inc.		CASE#	02-27767B		
DRILLER:			J.Loran	ty		CAGL#	02-21101B		
RIG:			Geoprobe 6610D	T Track Unit			COMMENTS:		
SAMPLING METHO	DD:		Geoprobe Ma	cro-Core		Former "B6"	Boring Area		
BORING DIA:			2-inch	1			•		
BORING DEPTH			5.0-fee	et					
ORGANIC VAPOR EQUIPMENT			PID (11.7	eV)					
DEPTH BLO (feet) COU		COVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION		DE	SCRIPTION		
0 – 4 N.	A	2.5	ND	SB13-SS01 (0.5 – 1.0) for		0 – 2.5 Black silty fine sand, cinders, ayey at base, wet ~1-2' bgs. 5 – 4.0 No recovery. 0 – 5.0 Black silty fine sand, cinders, we distributed the silt and gray sandstone fragments at			
() – 8 N.	A	1.0	ND	VOO3.	4. re				
					Re	efusal at ~5.0'	ogs.		
SAMPLING METHO BORING DIA: BORING DEPTH ORGANIC VAPOR EQUIPMENT DEPTH (feet) 0 - 4 N.	DW RENTS	ECOVERY (feet) 2.5	Geoprobe Mar 2-inch 5.0-fee PID (11.7 ORGANIC VAPORS (ppm) ND	et eV) SAMPLE(S) DESIGNATION SB13-SS01	2.4.1 re	DE 0 - 2.5 Black sayey at base, where the saye is base, where the saye is a second of the saye is a saye is a second of the saye is a second of the saye is a saye is a saye in the	ESCRIPTION silty fine sand, cinder vet ~1-2' bgs. overy. silty fine sand, cinders sandstone fragments		





<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

TestAmerica Job ID: 480-9139-1 Client Project/Site: VDM Lockport

For: ENVIRON International Corp. 214 Carnegie Center Suite 200 Princeton, New Jersey 08540

Attn: Mr. Jay Shipley

Deggy Hay-Eramann

Authorized for release by: 09/07/2011 12:22:03 PM

Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 45

09/07/2011

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Definitions/Glossary

Client: ENVIRON International Corp.

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

TEQ

Project/Site: VDM Lockport

lifiers	
GC/MS VOA	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
Metals	
Qualifier	Qualifier Description
F	MS/MSD Recovery or RPD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
\tilde{\	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RI .	Reporting Limit
()	Relative Percent Difference, a measure of the relative difference between two points

Case Narrative

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Job ID: 480-9139-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-9139-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Internal standard (ISTD) response for the following Encore soil samples were outside of acceptance limits: SB09-SS01 (480-9139-21), SB10-SS01 (480-9139-22), SB13-SS01 (480-9139-26). The samples were not re-analyzed due to insufficient volume.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: SB11-SS01 (480-9139-23). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The continuing calibration verification (CCV) for Chloroethane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate (MS/MSD) (480-9139-11 MSD) recoveries for total lead in batch 29833 were outside control limits. The associated Laboratory Control Sample (LCSSRM) recovery met acceptance criteria, therefore no corrective action was necessary.

No other analytical or quality issues were noted.

TestAmerica Buffalo

Detection Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

nt Sample ID: SB01-SS01						La	b Sample	ID: 480-9139-1
Analyte Lead	Result 139	Qualifier	RL 1.4	MDL 0.33	Unit mg/Kg	Dil Fac D		Prep Type Total/NA
Client Sample ID: SB01-SS02						La	b Sample	D: 480-9139-2
Analyte		Qualifier	RL	MDL		Dil Fac D		Prep Type
Lead	247		1.3	0.32	mg/Kg	1 0	6010B	Total/NA
Client Sample ID: SB01-SS03						La	b Sample	D: 480-9139-3
Analyte		Qualifier	RL	MDL		Dil Fac D		Prep Type
Lead	13.9		1.0	0.25	mg/Kg	1 ₹	6010B	Total/NA
Client Sample ID: SB02-SS01						La	b Sample	D: 480-9139-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D		Prep Type
Lead	73.9		1.2	0.29	mg/Kg	1 🌣	6010B	Total/NA
Client Sample ID: SB02-SS02						La	b Sample	D: 480-9139-5
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D		Prep Type
Lead	3970		1.3	0.31	mg/Kg	1 🌣	6010B	Total/NA
Client Sample ID: SB02-SS03						La	b Sample	D: 480-9139-6
alyte	Result	Qualifier	RL	MDL		Dil Fac D		Prep Type
Lead :	158		1.1	0.27	mg/Kg	1 🕏	6010B	Total/NA
Client Sample ID: SB03-SS01						La	b Sample	D: 480-9139-7
Analyte	Result	Qualifier	RL	MDL		Dil Fac D		Prep Type
Lead	81.6		1.0	0.24	mg/Kg	1 🌣	6010B	Total/NA
Client Sample ID: SB03-SS02						La	b Sample	ID: 480-9139-8
Analyte		Qualifier	RL	MDL		Dil Fac D		Prep Type
Lead	182		1.4	0.34	mg/Kg	1 \$	⁸ 6010B	Total/NA
Client Sample ID: SB03-SS03						La	b Sample	D: 480-9139-9
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac) Method	Prep Type
Lead	123		1.3	0.32	mg/Kg	1 5	6010B	Total/NA
Client Sample ID: SB04-SS01						Lat	Sample II	D: 480-9139-10
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Lead	8.0		1.1	0.27	mg/Kg	1 🕏	6010B	Total/NA
Client Sample ID: SB04-SS02						Lak	Sample II	o: 480-9139-11
¬alyte	Result	Qualifier	RL	MDL	Unit	Dil Fac I		Prep Type
d -	95.8		1.3	0.31	mg/Kg	1 3	6010B	Total/NA
Client Sample ID: SB04-SS03						Lat	Sample II	D: 480-9139 - 12

Client: EN	VIRON	international	Corp
Project/Si	te: VDM	Lockport	

Client Sample ID: SB04-SS03 (C	ontinue	1)				Li	ab	Sample II	D: 480-9139
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac		Method	Prep Type
Lead	72.7		1.2	0.30	mg/Kg	1	₽	6010B	Total/NA
Client Sample ID: SB05-SS01						La	ab	Sample II	D: 480-9139-13
— Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	ם	Method	Prep Type
Lead	364		1.2	0.28	mg/Kg	1	ø	6010B	Total/NA
Client Sample ID: SB05-SS02						La	ab	Sample II	D: 480-9139-14
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	603		1.2	0.28	mg/Kg	1	ø	6010B	Total/NA
Client Sample ID: SB05-SS03						La	ab	Sample II	D: 480-9139-1
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	345		1.1	0.27	mg/Kg	1	₽	6010B	Total/NA
Client Sample ID: SB06-SS01						La	ab	Sample II	D: 480-9139-16
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	159		1.0		mg/Kg	1	₽	6010B	Total/NA
Client Sample ID: SB06-SS02						La	ab	Sample II	D: 480-9139-17
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead .	410		1.2	0.28	mg/Kg		₩	6010B	Total/NA
Client Sample ID: SB06-SS03						La	ab	Sample II	D: 480-9139-18
Analyte		Qualifier	RL	MDL		Dil Fac		Method	Prep Type
Lead	67.7		1.4	0.34	mg/Kg	1	₽	6010B	Total/NA
Client Sample ID: SB07-SS01						La	ab	Sample II	D: 480-9139-19
Analyte		Qualifier	RL	MDL		Dil Fac		Method	Prep Type
Chloroform	37		5.2		ug/Kg	1		8260B	Total/NA
Methylene Chloride	4.9		5.2		ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.94		5.2		ug/Kg	1		8260B	Total/NA
Toluene Xylenes, Total	1.3 3.1		5.2 10		ug/Kg ug/Kg	1	₽	8260B 8260B	Total/NA Total/NA
Client Sample ID: SB08-SS01							ah	Sample II	D: 480-9139-20
Analyte		Qualifier		MDL		Dil Fac	_	Method	Prep Type
Acetone	18	J	25		ug/Kg	1		8260B	Total/NA
Chloroform	130		5.0		ug/Kg	1		8260B	Total/NA
Methylene Chloride Xylenes, Total	4.3 1.1		5.0 9.9		ug/Kg ug/Kg	1		8260B 8260B	Total/NA Total/NA
-	1.1	-	9.3		~9 [,] 1/9	1	~	UZUUD	i Olai/NA
Client Sample ID: SB09-SS01						La	ab	Sample II	D: 480-9139-31
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac		Method	Prep Type
Acetone	10		46	7.7	ug/Kg		_	8260B	Total/NA

Client: ENVIRON International Corp. Project/Site: VDM Lockport

nt Sample ID: SB09-SS01 (C	ontinued	1)				Lá	ap	Sample II	D: 480-9139-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	6.3	J	9.2	4.6	ug/Kg		₽	8260B	Total/NA
Chloroform	270		9.2	0.57	ug/Kg	1	#	8260B	Total/NA
Methylcyclohexane	2.4	J	9.2	1.4	ug/Kg	1	₽	8260B	Total/NA
Methylene Chloride	6.1	J	9.2	4.2	ug/Kg	1	⇔	8260B	Total/NA
Tetrachloroethene	3.4	J	9.2	1.2	ug/Kg	1	₽	8260B	Total/NA
Client Sample ID: SB10-SS01						La	ab	Sample II	D: 480-9139-2
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.5	J -	30	5.1	ug/Kg		₽	8260B	Total/NA
Chloroform	200		6.0	0.37	ug/Kg	1	₽	8260B	Total/NA
Methylcyclohexane	0.92	J	6.0	0.91	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	4.7	J	6.0	2.8	ug/Kg	1	₽	8260B	Total/NA
Tetrachloroethene	1.4	J	6.0	0.81	ug/Kg	1	₽	8260B	Total/NA
Xylenes, Total	21		12	1.0	ug/Kg	1	₽	8260B	Total/NA
Client Sample ID: SB11-SS01						Lá	ab	Sample II	D: 480-9139-2
– Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	4.3	J -	8.7	4.3	ug/Kg	1	₩	8260B	Total/NA
Chloroform	870	Ε	8.7	0.54	ug/Kg	1	₽	8260B	Total/NA
Methylene Chloride	7.4	J	8.7	4.0	ug/Kg	1	₽	8260B	Total/NA
Tetrachloroethene	4.0	J	8.7	1.2	ug/Kg	1	₽	8260B	Total/NA
oroform - DL	76000	D	880		ug/Kg	4	₽	8260B	Total/NA
ylbenzene - DL	640		880	250	ug/Kg	4	₽	8260B	Total/NA
Methylcyclohexane - DL	2300		880	410	ug/Kg	4	₽	8260B	Total/NA
Tetrachioroethene - DL	1100		880	120	ug/Kg	4	₽	8260B	Total/NA
Xylenes, Total - DL	930	J D	1800		ug/Kg	4	₽	8260B	Total/NA
Client Sample ID: SB12-SS01						La	ab	Sample II	D: 480-9139-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	15		4.8	0.30	ug/Kg		₩	8260B	Total/NA
Methylene Chloride 	6.5		4.8	2.2	ug/Kg	1	♥	8260B	Total/NA
Client Sample ID: SB12-SS11						La	ab	Sample II	D: 480-9139-2
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	20		5.3	0.32	ug/Kg		$\overline{\phi}$	8260B	Total/NA
Methylene Chloride -	7.0		5.3	2.4	ug/Kg	1	\$	8260B	Total/NA
Client Sample ID: SB13-SS01						La	ab	Sample II	D: 480-9139-2
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	240		7.3	0.45	ug/Kg		₩	8260B	Total/NA
Ethylbenzene	20		7.3	0.50	ug/Kg	1	₽	8260B	Total/NA
Methylcyclohexane	1.4	J	7.3	1.1	ug/Kg		₩	8260B	Total/NA
Methylene Chloride	76		7.3		ug/Kg		₽	8260B	Total/NA
Toluene	22		7.3		ug/Kg	1	₽	8260B	Total/NA
vlenes, Total	72		15		ug/Kg	1	₽	8260B	Total/NA

Detection Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Client Sample ID: TB-110830	(Continued)			Lab Sample	ID: 480-9139
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type
Methylene Chloride	3.7	1.0	0.44 ug/L	1 8260B	Total/NA

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

ant Sample ID: SB01-SS01

/Collected: 08/30/11 08:48 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-1

Matrix: Solid

Percent Solids: 76.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	139		1.4	0.33	mg/Kg	•	09/01/11 17:30	09/02/11 19:18	1

Client Sample ID: SB01-SS02

Date Collected: 08/30/11 08:50

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-2

Matrix: Solid Percent Solids: 75.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit		Prepared	Analyzed	Dil Fac
Lead	247		1.3	0.32	mg/Kg	TO TO	09/01/11 17:30	09/02/11 19:20	1

Client Sample ID: SB01-SS03

Date Collected: 08/30/11 08:52

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-3 Matrix: Solid

Percent Solids: 91.2

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit		D	Prepared	Analyzed	Dil Fac
Lead	13.9		1.0	0.25	mg/Kg		\$	09/01/11 17:30	09/02/11 19:22	1

ent Sample ID: SB02-SS01

್ಕೆ Collected: 08/30/11 09:05

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-4 Matrix: Solid

Percent Solids: 84.0

Method: 6010B - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73.9	1.2	0.29	mg/Kg	- □	09/01/11 17:30	09/02/11 19:24	1

Client Sample ID: SB02-SS02

Date Collected: 08/30/11 09:07

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-5

Percent Solids: 70.8

Matrix: Solid

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3970		1.3	0.31	mg/Kg	₩ ₩	09/01/11 17:30	09/02/11 19:26	1

Client Sample ID: SB02-SS03

Date Collected: 08/30/11 09:09

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-6

Matrix: Solid

Percent Solids: 81.6

Method: 6010B - Metals (ICP)							
Analyte	Result Qu	alifier RL	MDL	Unit D	Prepared	Analyzed	Dil Fac
Lead	158		0.27	ma/Ka ♥	09/01/11 17:30	09/02/11 19:28	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB03-SS01

Date Collected: 08/30/11 09:19

Date Collected: 08/30/11 09:19 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-7

Matrix: S

Percent Solids: 88.8

Method: 6010B - Metals (ICP)								
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	81.6	1.0	0.24	mg/Kg	ಫ	09/01/11 17:30	09/02/11 19:31	1

Client Sample ID: SB03-SS02

Date Collected: 08/30/11 09:21

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-8

Matrix: Solid Percent Solids: 74.5

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	182		1.4	0.34	mg/Kg		09/01/11 17:30	09/02/11 19:33	1

Client Sample ID: SB03-SS03

Date Collected: 08/30/11 09:23

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-9

Percent Solids: 77.6

Matrix: Solid

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	123		1.3	0.32	mg/Kg	*	09/01/11 17:30	09/02/11 19:35	1

Client Sample ID: SB04-SS01

Date Collected: 08/30/11 09:40

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-10

Matrix: S

Percent Solids: 91.8

Method: 6010B - Metals (ICP)										
Analyte	Result	Qualifier	R	L	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		1.	1 —	0.27	mg/Kg	 ₩.	09/01/11 17:30	09/02/11 19:42	1

Client Sample ID: SB04-SS02

Date Collected: 08/30/11 09:42

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-11

Matrix: Solid

Percent Solids: 75.1

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	95.8		1.3	0.31	mg/Kg	ø	09/01/11 17:30	09/02/11 19:44	1

Client Sample ID: SB04-SS03

Date Collected: 08/30/11 09:44

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-12

Matrix: Solid

Percent Solids: 77.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	72.7		1.2	0.30	ma/Ka	o	09/01/11 17:30	09/02/11 19:55	1

TestAmerica Buffalo 09/07/2011

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

ent Sample ID: SB05-SS01

Collected: 08/30/11 09:55 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-13

Matrix: Solid Percent Solids: 85.3

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	364		1.2	0.28	mg/Kg	ō	09/01/11 17:30	09/02/11 19:57	1

Client Sample ID: SB05-SS02

Date Collected: 08/30/11 09:57 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-14

Matrix: Solid Percent Solids: 81.3

Method: 6010B - Metals (ICP)								
Analyte	Result Qualifi	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	603	1.2	0.28	mg/Kg	*	09/01/11 17:30	09/02/11 19:59	1

Client Sample ID: SB05-SS03 Lab Sample ID: 480-9139-15

Date Collected: 08/30/11 09:59 Date Received: 08/30/11 17:05

Matrix: Solid Percent Solids: 83.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	345		1.1	0.27	mg/Kg	 ‡	09/01/11 17:30	09/02/11 20:02	1

€ ent Sample ID: SB06-SS01 Lab Sample ID: 480-9139-16

Collected: 08/30/11 10:12 Date Received: 08/30/11 17:05 Matrix: Solid

Percent Solids: 96.1

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	159		1.0	0.25	mg/Kg	 ₩	09/01/11 17:30	09/02/11 20:08	1

Client Sample ID: SB06-SS02 Lab Sample ID: 480-9139-17

Date Collected: 08/30/11 10:13 Date Received: 08/30/11 17:05 Matrix: Solid

Percent Solids: 80.5

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	410		1.2	0.28	mg/Kg	ø	09/01/11 17:30	09/02/11 20:11	1

Client Sample ID: SB06-SS03 Lab Sample ID: 480-9139-18

Date Collected: 08/30/11 10:15 Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 69.7

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	67.7		1.4	0.34	mg/Kg	₩	09/01/11 17:30	09/02/11 20:13	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB07-SS01

Date Collected: 08/30/11 11:15 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-19

Matrix: S Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	OIM	D	Prepared	Analyzed	· Dil Fa
,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
1,1,2,2-Tetrachioroethane	5.2	U	5.2	0.85	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
,1,2-Trichloroethane	5.2	U	5.2	0.68	ug/Kg	٥	08/31/11 10:10	08/31/11 15:20	
,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
1,1-Dichloroethane	5.2	U	5.2	0.64	ug/Kg	≎	08/31/11 10:10	08/31/11 15:20	
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
i,2,4-Trichlarobenzene	5.2	U	5.2	0.32	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	≎	08/31/11 10:10	08/31/11 15:20	
,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	Ф	08/31/11 10:10	08/31/11 15:20	
,2-Dichlorobenzene	5.2	Ü	5.2	0.41	ug/Kg	ø	08/31/11 10:10	08/31/11 15:20	
,2-Dichloroethane	5.2	U	5.2	0.26	ug/Kg	≎	08/31/11 10:10	08/31/11 15:20	
,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
,3-Dichlorobenzene	5.2	Ü	5.2	0.27	ug/Kg	•	08/31/11 10:10	08/31/11 15:20	
i,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	ø	08/31/11 10:10	08/31/11 15:20	
2-Hexanone	26	Ų	26	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
-Butanone (MEK)	26	Ü	26	1.9	ug/Kg	· · · · · · · ·	08/31/11 10:10	08/31/11 15:20	
-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
cetone	26	U	26	4.4	ug/Kg	٥	08/31/11 10:10	08/31/11 15:20	
enzene	5.2	U	5.2	0.26	ug/Kg	ø	08/31/11 10:10	08/31/11 15:20	
romodichloromethane	5.2	U	5.2	0.70	ug/Kg	٥	08/31/11 10:10	08/31/11 15:20	
romoform	5.2		5.2	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	. ~
romomethane	5.2		5.2	0.47	ug/Kg	Ф	08/31/11 10:10	08/31/11 15:20	١.
arbon disulfide	5.2		5.2	2.6	ug/Kg	•	08/31/11 10:10	08/31/11 15:20	·
arbon tetrachloride	5.2		5.2	0.51	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
hlorobenzene	5.2		5.2	0.69	ug/Kg	¢	08/31/11 10:10	08/31/11 15:20	
ibromochloromethane	5.2		5.2	0.67	ug/Kg ug/Kg	Ď	08/31/11 10:10	08/31/11 15:20	
Chloroethane	5.2		5.2	1.2	ug/Kg	¢	08/31/11 10:10	08/31/11 15:20	
	37	J	5.2	0.32	ug/Kg ug/Kg	•	08/31/11 10:10	08/31/11 15:20	
Chloroform	5.2	11	5.2		- •	*			
Chloromethane				0.32	ug/Kg		08/31/11 10:10	08/31/11 15:20	
is-1,2-Dichloroethene	5.2		5.2	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
iis-1,3-Dichloropropene	5.2		5.2	0.76	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
Cyclohexane	5.2		5.2	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	
ichlorodifluoromethane	5.2		5.2		ug/Kg		08/31/11 10:10	08/31/11 15:20	
thylbenzene	5.2		5.2		ug/Kg	₽ .	08/31/11 10:10	08/31/11 15:20	
sopropylbenzene	5.2		5.2	0.79	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
lethyl acetate	5.2	U	5.2	0.98	ug/Kg		08/31/11 10:10	08/31/11 15:20	
lethyl tert-butyl ether	5.2		5.2		ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
fethylcyclohexane	5.2		5.2	0.80	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
lethylene Chloride	4.9	J	5.2	2.4	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
tyrene	5.2	U	5.2	0.26	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
etrachloroethene	0.94	J	5.2	0.70	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
oluene	1.3	J	5.2	0.40	ug/Kg	¢	08/31/11 10:10	08/31/11 15:20	
ans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
ans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	₽	08/31/11 10:10	08/31/11 15:20	
richloroethene	5.2	U	5.2	1.2	ug/Kg	Ф	08/31/11 10:10	08/31/11 15:20	
richlorofluoromethane	5.2		5.2		ug/Kg	•	08/31/11 10:10	08/31/11 15:20	
/inyl chloride	5.2		5.2		ug/Kg	¢	08/31/11 10:10	08/31/11 15:20	
(ylenes, Total	3.1		10		ug/Kg	Φ	08/31/11 10:10	08/31/11 15:20	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB07-SS01

Collected: 08/30/11 11:15
Date Received: 08/30/11 17:05

Client Sample ID: SB08-SS01 Date Collected: 08/30/11 11:50

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-19

Matrix: Solid Percent Solids: 96.6

Surrogate	% Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86	64 - 126	08/31/11 10:10	08/31/11 15:20	1
Toluene-d8 (Surr)	93	71 - 125	08/31/11 10:10	08/31/11 15:20	1
4-Bromofluorobenzene (Surr)	92	72 - 126	08/31/11 10:10	08/31/11 15:20	1

Lab Sample ID: 480-9139-20

Matrix: Solid

Percent Solids: 88.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	_ ₹	08/31/11 10:10	08/31/11 15:45	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
1,1-Dichloroethene	5.0	υ	5.0	0.61	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	1
1,2,4-Trichlorobenzene	5.0	Ü	5.0	0.30	ug/Kg	⇔	08/31/11 10:10	08/31/11 15:45	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
1.2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	. 1
Dichloroethane	5.0	U	5.0	0.25	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	1
-,2-Dichloropropane	5.0	υ	5.0	2.5	ug/Kg	ø	08/31/11 10:10	08/31/11 15:45	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	1
2-Hexanone	25	U	25	2.5	ug/Kg	❖	08/31/11 10:10	08/31/11 15:45	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	❖	08/31/11 10:10	08/31/11 15:45	1
Acetone	18	J	25	4.2	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
Benzene	5.0	U	5.0	0.24	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	❖	08/31/11 10:10	08/31/11 15:45	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	•
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	٥	08/31/11 10:10	08/31/11 15:45	
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Dibromochloromethane	5.0	υ	5.0	0.64	ug/Kg	Φ	08/31/11 10:10	08/31/11 15:45	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Chloroform	130		5.0	0.31	ug/Kg	Φ	08/31/11 10:10	08/31/11 15:45	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	₩	08/31/11 10:10	08/31/11 15:45	•
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
cis-1,3-Dichloropropene	5.0	· υ · · · · · · · ·	5.0	0.71	ug/Kg		08/31/11 10:10	08/31/11 15:45	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	❖	08/31/11 10:10	08/31/11 15:45	•
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	Φ	08/31/11 10:10	08/31/11 15:45	
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	
Methyl acetate	5.0	U	5.0	0.92	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	
hyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	≎	08/31/11 10:10	08/31/11 15:45	•
thylcyclohexane	5.0	U	5.0	0.75	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	
Methylene Chloride	4.3	J	5.0	2.3	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	
Styrene	5.0	-	5.0	0.25	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	

TestAmerica Buffalo

Client: ENVIRON International Corp.

TestAmerica Job ID: 480-9139-1

Project/Site: VDM Lockport

Client Sample ID: SB08-SS01

Date Collected: 08/30/11 11:50 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-20.

Matrix: S Percent Solids: 88.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	5.0	Ū	5.0	0.67	ug/Kg	- -	08/31/11 10:10	08/31/11 15:45	1
Toluene	5.0	U	5.0	0.38	ug/Kg	⇔	08/31/11 10:10	08/31/11 15:45	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.51	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	₽	08/31/11 10:10	08/31/11 15:45	1
Xylenes, Total	1.1	J	9.9	0.83	ug/Kg	۵	08/31/11 10:10	08/31/11 15:45	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		64 - 126				08/31/11 10:10	08/31/11 15:45	1
Toluene-d8 (Surr)	91		71 - 125				08/31/11 10:10	08/31/11 15:45	1
4-Bromofluorobenzene (Surr)	90		72 - 126				08/31/11 10:10	08/31/11 15:45	1

Client Sample ID: SB09-SS01

Date Collected: 08/30/11 12:05 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-21

Matrix: Solid Percent Solids: 85.9

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Faa
1,1,1-Trichloroethane	9.2 U	9.2	0.66 ug/Kg	₩ ₩	08/31/11 10:10	08/31/11 16:11	
1,1,2,2-Tetrachloroethane	9.2 U	9.2	1.5 ug/Kg	❖	08/31/11 10:10	08/31/11 16:11	·
1,1,2-Trichloroethane	9.2 U	9.2	1.2 ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	9.2 U	9.2	2.1 ug/Kg	•	08/31/11 10:10	08/31/11 16:11	1
1,1-Dichloroethane	9.2 U	9.2	1.1 ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1-Dichloroethene	9.2 U	9.2	1.1 ug/Kg	•	08/31/11 10:10	08/31/11 16:11	1
1,2,4-Trichlorobenzene	9.2 U	9.2	0.56 ug/Kg	\$	08/31/11 10:10	08/31/11 16:11	1
1,2-Dibromo-3-Chloropropane	9.2 U	9.2	4.6 ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
1,2-Dibromoethane	9.2 U	9.2	1.2 ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
1,2-Dichlorobenzene	9.2 U	9.2	0.72 ug/Kg	≎	08/31/11 10:10	08/31/11 16:11	1
1,2-Dichloroethane	9.2 U	9.2	0.46 ug/Kg	❖	08/31/11 10:10	08/31/11 16:11	1
1,2-Dichloropropane	9.2 U	9.2	4.6 ug/Kg	⇔	08/31/11 10:10	08/31/11 16:11	1
1,3-Dichlorobenzene	9.2 U	9.2	0.47 ug/Kg	≎	08/31/11 10:10	08/31/11 16:11	1
1,4-Dichlorobenzene	9.2 U	9.2	1.3 ug/Kg	⇔	08/31/11 10:10	08/31/11 16:11	1
2-Hexanone	46 U	46	4.6 ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
2-Butanone (MEK)	46 U	46	3.3 ug/Kg	⇔	08/31/11 10:10	08/31/11 16:11	1
4-Methyl-2-pentanone (MIBK)	46 U	46	3.0 ug/Kg	ø	08/31/11 10:10	08/31/11 16:11	1
Acetone	10 J	46	7.7 ug/Kg	\$	08/31/11 10:10	08/31/11 16:11	1
Benzene	9.2 U	9.2	0.45 ug/Kg	≎	08/31/11 10:10	08/31/11 16:11	1
Bromodichloromethane	9.2 U	9.2	1.2 ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
Bromoform	9.2 U	9.2	4.6 ug/Kg	⇔	08/31/11 10:10	08/31/11 16:11	1
Bromomethane	9.2 U	9.2	0.82 ug/Kg	❖	08/31/11 10:10	08/31/11 16:11	1
Carbon disulfide	6.3 J	9.2	4.6 ug/Kg	≎	08/31/11 10:10	08/31/11 16:11	1
Carbon tetrachloride	9.2 U	9.2	0.89 ug/Kg	❖	08/31/11 10:10	08/31/11 16:11	1
Chlorobenzene	9.2 U	9.2	1.2 ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
Dibromochloromethane	9.2 U	9.2	1.2 ug/Kg	*	08/31/11 10:10	08/31/11 16:11	_ 1
Chloroethane	9.2 U	9.2	2.1 ug/Kg	*	08/31/11 10:10	08/31/11 16:11	11.5 -1
Chloroform	270	9.2	0.57 ug/Kg		08/31/11 10:10	08/31/11 16:11	
Chloromethane	9.2 U	9.2	0.55 ug/Kg	≎	08/31/11 10:10	08/31/11 16:11	1
cis-1.2-Dichloroethene	9.2 U	9.2	1.2 ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Cient Sample ID: SB09-SS01

Collected: 08/30/11 12:05 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-21

Matrix: Solid Percent Solids: 85.9

Analyte	Result	Qualifier	RL	MDL	Unit	Q	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	9.2	U	9.2	1.3	ug/Kg	<u> </u>	08/31/11 10:10	08/31/11 16:11	1
Cyclohexane	9.2	U	9.2	1.3	ug/Kg	Ċ.	08/31/11 10:10	08/31/11 16:11	1
Dichlorodifluoromethane	9.2	U	9.2	0.76	ug/Kg	Ф	08/31/11 10:10	08/31/11 16:11	1
Ethylbenzene	9.2	υ	9.2	0.63	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
Isopropylbenzene	9.2	U	9.2	1.4	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
Methyl acetate	9.2	U	9.2	1.7	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
Methyl tert-butyl ether	9.2	U	9.2	0.90	ug/Kg	ø	08/31/11 10:10	08/31/11 16:11	1
Methylcyclohexane	2.4	J	9.2	1.4	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
Methylene Chloride	6.1	J	9.2	4.2	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
Styrene	9.2	U	9.2	0.46	ug/Kg	Φ.	08/31/11 10:10	08/31/11 16:11	1
Tetrachloroethene	3.4	J	9.2	1.2	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
Toluene	9.2	U	9.2	0.69	ug/Kg	¢	08/31/11 10:10	08/31/11 16:11	1
trans-1,2-Dichloroethene	9.2	U	9.2	0.94	ug/Kg	Ф	08/31/11 10:10	08/31/11 16:11	1
trans-1,3-Dichloropropene	9.2	U	9.2	4.0	ug/Kg	٥	08/31/11 10:10	08/31/11 16:11	1
Trichloroethene	9.2	U	9.2	2.0	ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
Trichlorofluoromethane	9.2	U	9.2	0.87	ug/Kg	Φ.	08/31/11 10:10	08/31/11 16:11	· 1
Vinyl chloride	9.2	U	9.2	1.1	ug/Kg	₽	08/31/11 10:10	08/31/11 16:11	1
Xylenes, Total	18	U	18	1.5	ug/Kg	\$	08/31/11 10:10	08/31/11 16:11	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Dichloroethane-d4 (Surr)	93		64 - 126				08/31/11 10:10	08/31/11 16:11	1
juene-d8 (Sum)	106		71 - 125				08/31/11 10:10	08/31/11 16:11	1
4-Bromofluorobènzene (Surr)	75		72 - 126				08/31/11 10:10	08/31/11 16:11	1

Client Sample ID: SB10-SS01

Date Collected: 08/30/11 12:20 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-22

Matrix: Solid Percent Solids: 86.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.0	U	6.0	0.44	ug/Kg	Ö	08/31/11 10:10	08/31/11 16:37	1
1,1,2,2-Tetrachloroethane	6.0	U	6.0	0.98	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,1,2-Trichloroethane	6.0	U	6.D	0.78	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	Ŭ	6.0	1.4	ug/Kg	•	08/31/11 10:10	08/31/11 16:37	1
1,1-Dichloroethane	6.0	U	6.0	0.73	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
1,1-Dichloroethene	6.0	U	6.0	0.74	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,2,4-Trichlorabenzene	6.0	U	6.0	0.37	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
1,2-Dibromo-3-Chloropropane	6.0	U	6.0	3.0	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,2-Dibromoethane	6.0	U	6.0	0.77	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,2-Dichlorobenzene	6.0	U	6.0	0.47	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,2-Dichloroethane	6.0	U	6.0	0.30	ug/Kg	⇔	08/31/11 10:10	08/31/11 16:37	1
1,2-Dichloropropane	6.0	U	6.0	3.0	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,3-Dichlorobenzene	6.0	U	6.0	0.31	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
1,4-Dichlorobenzene	6.0	U	6.0	0.84	ug/Kg	⇔	08/31/11 10:10	08/31/11 16:37	1
2-Hexanone	30	U	30	3.0	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
2-Butanone (MEK)	30	U	30	2.2	ug/Kg	⇔	08/31/11 10:10	08/31/11 16:37	1
ethyl-2-pentanone (MIBK)	30	U	30	2.0	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
ncetone	9.5	J	30	5.1	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Benzene	6.0	U	6.0	0.29	ug/Kg	Φ	08/31/11 10:10	08/31/11 16:37	1
Bromodichloromethane	6.0	U	6.0	0.81	ug/Kg	\$	08/31/11 10:10	08/31/11 16:37	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Lab Sample ID: 480-9139-22.

Matrix: S

Percent Solids: 86.3

Client Sample ID: SB10-SS01

Date Collected: 08/30/11 12:20 Date Received: 08/30/11 17:05

Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	6.0	U	6.0	3.0	ug/Kg	- □	08/31/11 10:10	08/31/11 16:37	1
Bromomethane	6.0	U	6.0	0.54	ug/Kg	Φ.	08/31/11 10:10	08/31/11 16:37	1
Carbon disulfide	6.0	U	6.0	3.0	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Carbon tetrachloride	6.0	U	6.0	0.58	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Chlorobenzene	6.0	U	6.0	0.79	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Dibromochloromethane	6,0	U	6.0	0.77	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Chloroethane	6.0	U	6.0	1.4	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
Chloroform	200		6.0	0.37	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
Chloromethane	6.0	U	6.0	0.36	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
cis-1,2-Dichloroethene	6.0	U	6.0	0.77	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
cis-1,3-Dichloropropene	6.0	U	6.0	0.87	ug/Kg	ø	08/31/11 10:10	08/31/11 16:37	1
Cyclohexane	6.0	U	6.0	0.84	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Dichlorodifluoromethane	6.0	U	6.0	0.50	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Ethylbenzene	6.0	U	6.0	0.41	ug/Kg	•	08/31/11 10:10	08/31/11 16:37	1
isopropylbenzene	6.0	U	6.0	0.91	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Methyl acetate	6.0	U	6.0	1.1	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Methyl tert-butyl ether	6.0	U	6.0	0.59	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Methylcyclohexane	0.92	J	6.0	0.91	ug/Kg	Ф	08/31/11 10:10	08/31/11 16:37	1
Methylene Chloride	4.7	J	6.0	2.8	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
Styrene	6.0	U	6.0	0.30	ug/Kg	Φ	08/31/11 10:10	08/31/11 16:37	1
Tetrachloroethene	1.4	J	6.0	0.81	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	7 E
Toluene	6.0	U	6.0	0.45	ug/Kg	Ф	08/31/11 10:10	08/31/11 16:37	٠
trans-1,2-Dichloroethene	6.0	Ü	6.0	0.62	ug/Kg		08/31/11 10:10	08/31/11 16:37	1
trans-1,3-Dichloropropene	6.0	U	6.0	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Trichloroethene	6.0	U	6.0	1.3	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Trichlorofluoromethane	6.0	U	6.0	0.57	ug/Kg	٥	08/31/11 10:10	08/31/11 16:37	1
Vinyl chloride	6.0	U	6.0	0.73	ug/Kg	₽	08/31/11 10:10	08/31/11 16:37	1
Xylenes, Total	21		12	1.0	ug/Kg	≎	08/31/11 10:10	08/31/11 16:37	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126				08/31/11 10:10	08/31/11 16:37	1
Toluene-d8 (Surr)	105		71 - 125				08/31/11 10:10	08/31/11 16:37	1
4-Bromofluorobenzene (Surr)	79		72 ₋ 126				08/31/11 10:10	08/31/11 16:37	1

Client Sample ID: SB11-SS01

Date Collected: 08/30/11 12:35 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-23

Matrix: Solid Percent Solids: 81.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.7	U	8.7	0.63	ug/Kg	<u>\$</u>	08/31/11 10:10	08/31/11 17:02	1
1,1,2,2-Tetrachtoroethane	8.7	U	8.7	1.4	ug/Kg	Ф	08/31/11 10:10	08/31/11 17:02	1
1,1,2-Trichloroethane	8.7	U	8.7	1.1	ug/Kg	≎	08/31/11 10:10	08/31/11 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	8.7	U	8.7	2.0	ug/Kg	≎	08/31/11 10:10	08/31/11 17:02	1
1,1-Dichloroethane	8.7	U	8.7	1.1	ug/Kg	≎	08/31/11 10:10	08/31/11 17:02	1
1,1-Dichloroethene	8.7	U	8.7	1.1	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	. 1
1,2,4-Trichlorobenzene	8.7	U	8.7	0.53	ug/Kg	₽.	08/31/11 10:10	08/31/11 17:02	4-16
1,2-Dibromo-3-Chloropropane	8.7	U	8.7	4.3	ug/Kg	₩	08/31/11 10:10	08/31/11 17:02	· · ·
1,2-Dibromoethane	8.7	U	8.7	1.1	ug/Kg	₩	08/31/11 10:10	08/31/11 17:02	1
1,2-Dichlorobenzene	8.7	u	8.7	0.68	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	4

TestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

ப்ent Sample ID: SB11-SS01

Collected: 08/30/11 12:35
Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-23

Matrix: Solid Percent Solids: 81.0

analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
,2-Dichloroethane	8.7	U	8.7	0.44	ug/Kg	₩	08/31/11 10:10	08/31/11 17:02	
,2-Dichloropropane	8.7	U	8.7	4.3	ug/Kg	⇔	08/31/11 10:10	08/31/11 17:02	
,3-Dichlorobenzene	8.7	U	8.7	0.45	ug/Kg	•	08/31/11 10:10	08/31/11 17:02	
,4-Dichlorobenzene	8.7	U	8.7	1.2	ug/Kg	ø	08/31/11 10:10	08/31/11 17:02	
-Hexanone	43	U	43	4.3	ug/Kg	₩	08/31/11 10:10	08/31/11 17:02	
-Butanone (MEK)	43	Ü	43	3.2	ug/Kg		08/31/11 10:10	08/31/11 17:02	
-Methyl-2-pentanone (MIBK)	43	U	43	2.9	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
Acetone	43	U	43	7.3	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
Benzene	8.7	U	8.7	0.43	ug/Kg		08/31/11 10:10	08/31/11 17:02	
Bromodichloromethane	8.7	U	8.7	1.2	ug/Kg	¢	08/31/11 10:10	08/31/11 17:02	
Bromoform	8.7	U	8.7	4.3	ug/Kg	ø	08/31/11 10:10	08/31/11 17:02	
Iromomethane	8.7	U	8.7	0.78	ug/Kg	#	08/31/11 10:10	08/31/11 17:02	
Carbon disulfide	4.3	J	8.7	4.3	ug/Kg	¢	08/31/11 10:10	08/31/11 17:02	
Carbon tetrachloride	8.7		8.7	0.84	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
Chlorobenzene	8.7		8.7	1.1	ug/Kg	₽.	08/31/11 10:10	08/31/11 17:02	
Dibromochloromethane	8.7		8.7	1.1	ug/Kg	Ф	08/31/11 10:10	08/31/11 17:02	
Chloroethane	8.7		8.7	2.0	ug/Kg ug/Kg	ø	08/31/11 10:10	08/31/11 17:02	
Chloroform	870	E	8.7	0.54	ug/Kg	¢	08/31/11 10:10	08/31/11 17:02	
Chloromethane	8.7		8.7	0.53	ug/Kg	\$	08/31/11 10:10	08/31/11 17:02	
is-1,2-Dichloroethene	8.7		8.7	1, 1	ug/Kg ug/Kg	ø	08/31/11 10:10	08/31/11 17:02	
, ,	8.7		8.7	1.3	ug/Kg ug/Kg	Ф	08/31/11 10:10	08/31/11 17:02	
1,3-Dichloropropene	8.7		8.7			₩.			
yclohexane				1.2	ug/Kg		08/31/11 10:10	08/31/11 17:02	
Dichlorodifluoromethane	8.7		8.7	0.72	ug/Kg		08/31/11 10:10	08/31/11 17:02	
Ethylbenzene 	8.7		8.7	0.60	ug/Kg	₩	08/31/11 10:10	08/31/11 17:02	
sopropylbenzene	8.7		8.7	1.3	ug/Kg		08/31/11 10:10	08/31/11 17:02	
Methyl acetate	8.7		8.7	1.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	
Methyl tert-butyl ether	8.7		8.7	0.85	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	
Methylcyclohexane	8.7		8.7	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	
Methylene Chloride	7.4		8.7	4.0	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
Styrene	8.7	U	8.7		ug/Kg	₽.	08/31/11 10:10	08/31/11 17:02	
etrachloroethene	4.0	J	8.7		ug/Kg	₽ .	08/31/11 10:10	08/31/11 17:02	
oluene	8.7	U	8.7	0.66	ug/Kg	Φ	08/31/11 10:10	08/31/11 17:02	
rans-1,2-Dichloroethene	8.7	U	8.7	0.90	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
rans-1,3-Dichloropropene	8.7	υ	8.7	3.8	ug/Kg	❖	08/31/11 10:10	08/31/11 17:02	
richloroethene	8.7	U	8.7	1.9	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
richlorofluoromethane	8.7	U	8.7	0.82	ug/Kg	Ф	08/31/11 10:10	08/31/11 17:02	
/inyl chloride	8.7	U	8.7	1.1	ug/Kg	Φ	08/31/11 10:10	08/31/11 17:02	
(ylenes, Total	17	U	17	1.5	ug/Kg	₽	08/31/11 10:10	08/31/11 17:02	
urrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil
,2-Dichloroethane-d4 (Surr)	90		64 - 126				08/31/11 10:10	08/31/11 17:02	
Foluene-d8 (Surr)	100		71 - 125				08/31/11 10:10	08/31/11 17:02	
-Bromofluorobenzene (Surr)	86		72 - 126				08/31/11 10:10	08/31/11 17:02	
Method: 8260B - Volatile Organic	c Compounds ((GC/MS) - DL	_						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dill
.1,1-Trichloroethane	880	U	880	240	ug/Kg	-	09/01/11 01:02	09/01/11 14:42	
2,2-Tetrachioroethane	880	U	880	140	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	
1,2-Trichloroethane	880	U	880	180	ug/Kg	⇔	09/01/11 01:02	09/01/11 14:42	
,1,2-Trichloro-1,2,2-trifluoroethane	880	U	880	440	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	
,1-Dichloroethane	880		880		ug/Kg	≎	09/01/11 01:02	09/01/11 14:42	

FestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Lab Sample ID: 480-9139-23.

Matrix: S

Percent Solids: 81.0

Client Sample ID: SB11-SS01

Date Collected: 08/30/11 12:35 Date Received: 08/30/11 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	880	U	880	300	ug/Kg		09/01/11 01:02	09/01/11 14:42	
1,2,4-Trichlorobenzene	880	. u	880	330	ug/Kg		09/01/11 01:02	09/01/11 14:42	4
1,2-Dibromo-3-Chloropropane	880	U	880	440	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
1,2-Dibromoethane	880	U	880	33	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
1,2-Dichlorobenzene	880	U	880	220	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
1,2-Dichloroethane	880	U	880	360	ug/Kg	\$	09/01/11 01:02	09/01/11 14:42	4
1,2-Dichloropropane	880	U	880	140	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
1,3-Dichlorobenzene	880	U	880	230	ug/Kg	•	09/01/11 01:02	09/01/11 14:42	4
1,4-Dichlorobenzene	880	U	880	120	ug/Kg	\$	09/01/11 01:02	09/01/11 14:42	4
2-Hexanone	4400	U	4400	1800	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
2-Butanone (MEK)	4400	U	4400	2600	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
4-Methyl-2-pentanone (MIBK)	4400	U	4400	280	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
Acetone	4400	U	4400	3600	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
Benzene	880	U	880	42	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
Bromodichloromethane	880		880	180	ug/Kg	۵	09/01/11 01:02	09/01/11 14:42	4
Bromoform	880	U	880	440	ug/Kg	≎	09/01/11 01:02	09/01/11 14:42	4
Bromomethane	880	U	880	190	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
Carbon disulfide	880		880	400	ug/Kg	⇔	09/01/11 01:02	09/01/11 14:42	4
Carbon tetrachloride	880		880	220	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Chlorobenzene	880		880	120	ug/Kg		09/01/11 01:02	09/01/11 14:42	4
Dibromochloromethane	880	U	880	420	ug/Kg	⇔	09/01/11 01:02	09/01/11 14:42	, and
Chloroethane	880		880	180	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	
Chloroform	76000		880	600	ug/Kg		09/01/11 01:02	09/01/11 14:42	
Chloromethane	880		880	210	ug/Kg	⇔	09/01/11 01:02	09/01/11 14:42	4
cis-1,2-Dichloroethene	880		880	240	ug/Kg	.	09/01/11 01:02	09/01/11 14:42	4
	880		880	210	ug/Kg ug/Kg	•	09/01/11 01:02	09/01/11 14:42	
cis-1,3-Dichloropropene	880		880	190	ug/Kg ug/Kg	ø	09/01/11 01:02	09/01/11 14:42	4
Cyclohexane	880		880	380	ug/Kg		09/01/11 01:02	09/01/11 14:42	4
Dichlorodifluoromethane			880	250					4
Ethylbenzene	880	JD			ug/Kg	~	09/01/11 01:02	09/01/11 14:42	
Isopropyibenzene		_	880	130	ug/Kg	~ ⇔	09/01/11 01:02	09/01/11 14:42	4
Methyl acetate	880		880	420	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Methyl tert-butyl ether	880		880	330	ug/Kg		09/01/11 01:02	09/01/11 14:42	4
Methylcyclohexane	2300	_	880	410	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Methylene Chloride	880	U	880	170	ug/Kg	☆	09/01/11 01:02	09/01/11 14:42	2
Styrene	880	U	880	210	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Tetrachloroethene	1100		880	120	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Toluene	880		880	230	=	*	09/01/11 01:02	09/01/11 14:42	4
trans-1,2-Dichloroethene	880		880	210	ug/Kg		09/01/11 01:02	09/01/11 14:42	4
trans-1,3-Dichloropropene	880		880	42			09/01/11 01:02	09/01/11 14:42	4
Trichloroethene	880		880	240			09/01/11 01:02	09/01/11 14:42	
Trichlorofluoromethane	880		880	410	ug/Kg	₽	09/01/11 01:02	09/01/11 14:42	4
Vinyl chloride	880	υ	880	290	ug/Kg	₿	09/01/11 01:02	09/01/11 14:42	. 4
Xylenes, Total	930	J D	1800	150	ug/Kg	☆	09/01/11 01:02	09/01/11 14:42	
Surrogate	% Recovery		Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	105		53 - 146				09/01/11 01:02	09/01/11 14:42	4
Toluene-d8 (Surr)	103	D	50 - 149				09/01/11 01:02	09/01/11 14:42	100
4-Bromofluorobenzene (Surr)	102	D	49 - 148				09/01/11 01:02	09/01/11 14:42	for the same

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Cient Sample ID: SB12-SS01

Collected: 08/30/11 12:57
Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-24

Matrix: Solid Percent Solids: 88.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII F
,1,1-Trichloroethane	4.8	U -	4.8	0.35	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
,1,2,2-Tetrachloroethane	4.8	U	4.8	0.78	ug/Kg	₩	08/31/11 10:10	08/31/11 17:28	
,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	⇔	08/31/11 10:10	08/31/11 17:28	
,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	❖	08/31/11 10:10	08/31/11 17:28	
,1-Dichloroethene	4.8	U	4.8	0.59	ug/Kg	≎	08/31/11 10:10	08/31/11 17:28	
,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	•	08/31/11 10:10	08/31/11 17:28	
,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	
,2-Dibromoethane	4.8	U	4.8	0.62	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
,2-Dichlorobenzene	4.8	Ú	4.8	0.37	ug/Kg		08/31/11 10:10	08/31/11 17:28	•
,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
,2-Dichloropropane	4.8	U	4.8	. 2.4	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
,3-Dichlorobenzene	4.8		4.8	0.25	ug/Kg		08/31/11 10:10	08/31/11 17:28	
,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	⇔	08/31/11 10:10	08/31/11 17:28	
-Hexanone	24	U	24	2.4	ug/Kg	¢	08/31/11 10:10	08/31/11 17:28	
-Butanone (MEK)	24		24	1.8	ug/Kg	φ.	08/31/11 10:10	08/31/11 17:28	•
-Methyl-2-pentanone (MIBK)	24		24	1.6	ug/Kg	❖	08/31/11 10:10	08/31/11 17:28	
cetone	24	U	24	4.0	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
lenzene		U	4.8	0.23	ug/Kg	ø	08/31/11 10:10	08/31/11 17:28	
romodichloromethane	4.8	U	4.8	0.64	ug/Kg	⇔	08/31/11 10:10	08/31/11 17:28	
moform		U	4.8	2.4	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
: / commethane	4.8	U	4.8	0.43	ug/Kg	ф	08/31/11 10:10	08/31/11 17:28	
arbon disulfide		U	4.8	2.4	ug/Kg	¢	08/31/11 10:10	08/31/11 17:28	
arbon tetrachloride		U	4.8	0.46	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
hlorobenzene	4.8	U	4.8	0.63	ug/Kg	•	08/31/11 10:10	08/31/11 17:28	
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	•	08/31/11 10:10	08/31/11 17:28	
hloroethane	4.8	U	4.8	1.1	ug/Kg ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
		U	4.8	0.30	ug/Kg ug/Kg		08/31/11 10:10	08/31/11 17:28	
hloroform	15	U				₩.			
hloromethane			4.8	0.29	ug/Kg	₩	08/31/11 10:10	08/31/11 17:28	
s-1,2-Dichloroethene		U	4.8	0.61	ug/Kg		08/31/11 10:10	08/31/11 17:28	
s-1,3-Dichloropropene		U	4.8	0.69	ug/Kg	\$	08/31/11 10:10	08/31/11 17:28	
yclohexane		U	4.8	0.67	ug/Kg	₩.	08/31/11 10:10	08/31/11 17:28	
ichlorodifluoromethane		U	4.8	0.40	ug/Kg		08/31/11 10:10	08/31/11 17:28	
thylbenzene		U	4.8	0.33	ug/Kg	**	08/31/11 10:10	08/31/11 17:28	
opropylbenzene		U	4.8	0.72	ug/Kg	₩	08/31/11 10:10	08/31/11 17:28	
lethyl acetate	4.8	U	4.8		ug/Kg	Φ	08/31/11 10:10	08/31/11 17:28	
lethyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	≎	08/31/11 10:10	08/31/11 17:28	
lethylcyclohexane	4.8	U	4.8	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	
ethylene Chloride	6.5		4.8	2.2	ug/Kg	⇔	08/31/11 10:10	08/31/11 17:28	
tyrene	4.8	υ	4.8	0.24	ug/Kg	≎	08/31/11 10:10	08/31/11 17:28	
etrachloroethene	4.8	U	4.8	0.64	ug/Kg	≎	08/31/11 10:10	08/31/11 17:28	
oluene	4.8	U	4.8	0.36	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
ans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	❖	08/31/11 10:10	08/31/11 17:28	
ans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	₽	08/31/11 10:10	08/31/11 17:28	
richloroethene	4.8	U	4.8	1.1	ug/Kg	¢	08/31/11 10:10	08/31/11 17:28	
richlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	☆	08/31/11 10:10	08/31/11 17:28	
yl chloride	4.8		4.8			₽	08/31/11 10:10	08/31/11 17:28	
enes, Total	9.6		9.6		ug/Kg	₩	08/31/11 10:10	08/31/11 17:28	

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Lab Sample ID: 480-9139-24

Matrix: S

Percent Solids: 88.1

Client Sample ID: SB12-SS01

Client Sample ID: SB12-SS11

Date Collected: 08/30/11 12:57

Date Received: 08/30/11 17:05

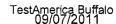
Date Collected: 08/30/11 12:57 Date Received: 08/30/11 17:05

	Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1	1,2-Dichloroethane-d4 (Surr)	91		64 - 126	08/31/11 10:10	08/31/11 17:28	1
١	Toluene-d8 (Surr)	94		71 - 125	08/31/11 10:10	08/31/11 17:28	1
	4-Bromofluorobenzene (Surr)	94		72 - 126	08/31/11 10:10	08/31/11 17:28	1

Lab Sample ID: 480-9139-25

Matrix: Solid
Percent Solids: 86.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1-Trichloroethane	5.3	U	5.3	0.38	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.85	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	
1,1,2-Trichloroethane	5.3	U	5.3	0.68	ug/Kg	ø	08/31/11 10:10	08/31/11 17:53	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	
1,1-Dichloroethane	5.3	U	5. 3	0.64	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	
1,1-Dichloroethene	5.3	U	5.3	0.64	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	Φ.	08/31/11 10:10	08/31/11 17:53	
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
1,2-Dibromoethane	5.3	U	5.3	0.67	ug/Kg	•	08/31/11 10:10	08/31/11 17:53	
1,2-Dichlorobenzene	5.3	Ü	5.3	0.41	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
1,2-Dichloroethane	5.3	U	5.3	0.26	ug/Kg	\$	08/31/11 10:10	08/31/11 17:53	$-\epsilon$
1,2-Dichloropropane	5.3	U	5.3	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	(4)
1,3-Dichlorobenzene	5.3	υ	5.3	0.27	ug/Kg	ø	08/31/11 10:10	08/31/11 17:53	
1,4-Dichlorobenzene	5.3	U	5.3	0.74	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
2-Hexanone	26	U	26	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Acetone	26	U	26	4.4	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Benzene	5.3	U	5.3	0.26	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Bromodichloromethane	5.3	U	5.3	0.70	ug/Kg	₩	08/31/11 10:10	08/31/11 17:53	
Bromoform	5.3	U	5.3	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Bromomethane	5.3	u	5.3	0.47	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	
Carbon disulfide	5.3	U	5.3	2.6	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Carbon tetrachloride	5.3	U	5.3	0.51	ug/Kg	₩	08/31/11 10:10	08/31/11 17:53	
Chlorobenzene	5.3	U	5.3	0.69	ug/Kg	₩	08/31/11 10:10	08/31/11 17:53	
Dibromochloromethane	5.3	U	5.3	0.67	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Chloroethane	5.3	U	5.3	1.2	ug/Kg	₩	08/31/11 10:10	08/31/11 17:53	
Chloroform	20		5.3	0.32	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Chloromethane	5.3	U	5.3	0.32	ug/Kg	₩	08/31/11 10:10	08/31/11 17:53	
cis-1,2-Dichloroethene	5.3	U	5.3	0.67	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
cis-1,3-Dichloropropene	5,3	U	5.3	0.76	ug/Kg		08/31/11 10:10	08/31/11 17:53	• • • • • • • • • • • • • • • • • • • •
Cyclohexane	5.3	U	5.3	0.74	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	
Dichlorodifluoromethane	5.3	U	5.3	0.43	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Ethylbenzene	5.3	U	5.3	0.36	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	
Isopropylbenzene	5.3	υ	5.3	0.79	ug/Kg	Φ	08/31/11 10:10	08/31/11 17:53	
Methyl acetate	5.3	U	5.3	0.98	ug/Kg	٥	08/31/11 10:10	08/31/11 17:53	
Methyl tert-butyl ether	5.3	U .	5.3	0.52	ug/Kg	•	08/31/11 10:10	08/31/11 17:53	in the second
Methylcyclohexane	5.3	U	5.3	0.80	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	1
Methylene Chloride	7.0		5.3	2.4	ug/Kg	\$	08/31/11 10:10	08/31/11 17:53	٠٠,
Styrene	5.3	П	5.3		ug/Kg	۵	08/31/11 10:10	08/31/11 17:53	



Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

ent Sample ID: SB12-SS11

Collected: 08/30/11 12:57
Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-25

Matrix: Solid Percent Solids: 86.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	5.3	U	5.3	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Toluene	5.3	U	5.3	0.40	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.54	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	ø	08/31/11 10:10	08/31/11 17:53	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	1
Vinyl chloride	5.3	U	5.3	0.64	ug/Kg	₽	08/31/11 10:10	08/31/11 17:53	1
Xylenes, Total	11	U	11	0.88	ug/Kg	¢	08/31/11 10:10	08/31/11 17:53	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 126				08/31/11 10:10	08/31/11 17:53	1
Toluene-d8 (Surr)	96		71 - 125				08/31/11 10:10	08/31/11 17:53	1
4-Bromofluorobenzene (Surr)	94		72 - 126				08/31/11 10:10	08/31/11 17:53	1

Client Sample ID: SB13-SS01

Date Collected: 08/30/11 13:20 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-26

Matrix: Solid Percent Solids: 78.6

alyte alyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
/1-Trichloroethane	7.3	U	7.3	0.53	ug/Kg	\$	08/31/11 10:10	08/31/11 18:19	1
1,1,2,2-Tetrachloroethane	7.3	U	7.3	1.2	ug/Kg	≎	08/31/11 10:10	08/31/11 18:19	1
1,1,2-Trichloroethane	7.3	u	7.3	0.94	ug/Kg	₩	08/31/11 10:10	08/31/11 18:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U	7.3	1.7	ug/Kg	ø	08/31/11 10:10	08/31/11 18:19	1
1,1-Dichloroethane	7.3	U	7.3	0.89	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
1,1-Dichloroetheле	7.3	U	7.3	0.89	ug/Kg	≎	08/31/11 10:10	08/31/11 18:19	1
1,2,4-Trichlorobenzene	7.3	U	7.3	0.44	ug/Kg	\$	08/31/11 10:10	08/31/11 18:19	1
1,2-Dibromo-3-Chloropropane	7.3	U	7.3	3.6	ug/Kg	❖	08/31/11 10:10	08/31/11 18:19	1
1,2-Dibromoethane	7.3	U	7.3	0.93	ug/Kg	≎	08/31/11 10:10	08/31/11 18:19	1
1,2-Dichlorobenzene	7.3	U	7.3	0.57	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
1,2-Dichloroethane	7.3	U	7.3	0.36	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
1,2-Dichloropropane	7.3	U	7.3	3.6	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
1,3-Dichlorobenzene	7.3	U	7.3	0.37	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
1,4-Dichlorobenzene	7.3	U	7.3	1.0	ug/Kg	Ф	08/31/11 10:10	08/31/11 18:19	1
2-Hexanone	36	U	36	3.6	ug/Kg	₿	08/31/11 10:10	08/31/11 18:19	1
2-Butanone (MEK)	36	U	36	2.7	ug/Kg	¢	08/31/11 10:10	08/31/11 18:19	1
4-Methyl-2-pentanone (MIBK)	36	U	36	2.4	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Acetone	36	U	36	6.1	ug/Kg	¢	08/31/11 10:10	08/31/11 18:19	1
Велгене	7.3	U	7.3	0.36	ug/Kg	Ф	08/31/11 10:10	08/31/11 18:19	1
Bromodichloromethane	7.3	U	7.3	0.97	ug/Kg	¢	08/31/11 10:10	08/31/11 18:19	1
Bromoform	7.3	U	7.3	3.6	ug/Kg	¢	08/31/11 10:10	08/31/11 18:19	1
Bromomethane	7.3	U	7.3	0.65	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Carbon disulfide	7.3	υ	7.3	3.6	ug/Kg	ø	08/31/11 10:10	08/31/11 18:19	1
Carbon tetrachloride	7.3	υ	7.3	0.70	ug/Kg	•	08/31/11 10:10	08/31/11 18:19	1
Chlorobenzene	7.3	ົບ	7.3	0.96	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Dibromochloromethane	7.3	U	7.3	0.93	ug/Kg	¢	08/31/11 10:10	08/31/11 18:19	1
proethane	7.3	U	7.3	1.6	ug/Kg	ø	08/31/11 10:10	08/31/11 18:19	1
	240		7.3		ug/Kg	Φ.	08/31/11 10:10	08/31/11 18:19	. 1
Chloromethane	7.3	U	7.3	0.44	ug/Kg	¢	08/31/11 10:10	08/31/11 18:19	1
cis-1,2-Dichloroethene	7.3	-	7.3	0.93	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB13-SS01

Date Collected: 08/30/11 13:20 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-26

Matrix: S Percent Solids: 78.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	7.3	Ū	7.3	1.0	ug/Kg	<u> </u>	08/31/11 10:10	08/31/11 18:19	1
Cyclohexane	7.3	U	7.3	1.0	ug/Kg		08/31/11 10:10	08/31/11 18:19	1
Dichlorodifluoromethane	7.3	U	7.3	0.60	ug/Kg	≎	08/31/11 10:10	08/31/11 18:19	1
Ethylbenzene	20		7.3	0.50	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Isopropylbenzene	7.3	U	7.3	1.1	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Methyl acetate	7.3	U	7.3	1.4	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Methyl tert-butyl ether	7.3	U	7.3	0.71	ug/Kg	Ф	08/31/11 10:10	08/31/11 18:19	1
Methylcyclohexane	1.4	j	7.3	1.1	ug/Kg	•	08/31/11 10:10	08/31/11 18:19	1
Methylene Chloride	76		7.3	3.3	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Styrene	7.3	U	7.3	0.36	ug/Kg	≎	08/31/11 10:10	08/31/11 18:19	1
Tetrachloroethene	7.3	U	7.3	0.97	ug/Kg	≎	08/31/11 10:10	08/31/11 18:19	1
Toluene	22		7.3	0.55	ug/Kg	ø	08/31/11 10:10	08/31/11 18:19	1
trans-1,2-Dichloroethene	7.3	U	7.3	0.75	ug/Kg	ø	08/31/11 10:10	08/31/11 18:19	1
trans-1,3-Dichloropropene	7.3	U	7.3	3.2	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Trichloroethene	7.3	U	7.3	1.6	ug/Kg	₩	08/31/11 10:10	08/31/11 18:19	1
Trichlorofluoromethane	7.3	Ü	7.3	0.69	ug/Kg	ø	08/31/11 10:10	08/31/11 18:19	1
Vinyl chloride	7.3	U	7.3	0.89	ug/Kg	₽	08/31/11 10:10	08/31/11 18:19	1
Xylenes, Total	72		15	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126				08/31/11 10:10	08/31/11 18:19	- A. E
Toluene-d8 (Surr)	105		71 - 125				08/31/11 10:10	08/31/11 18:19	됐
4-Bromofluorobenzene (Surr)	80		72 - 126				08/31/11 10:10	08/31/11 18:19	1

Client Sample ID: TB-110830

Date Collected: 08/30/11 13:50 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-27

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/31/11 18:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/31/11 20:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 18:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 20:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/31/11 18:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/31/11 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/31/11 18:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/31/11 20:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/31/11 18:44	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/31/11 20:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/31/11 18:44	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/31/11 20:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/31/11 18:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/31/11 20:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/31/11 18:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/31/11 20:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/31/11 18:44	: ''
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/31/11 20:07	`` /
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/31/11 18:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/31/11 20:07	1

TestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

ent Sample ID: TB-110830

Collected: 08/30/11 13:50 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-27

Matrix: Water

nalyte	Result Qualif		MDL Unit	D Pre	pared Analyzed	Dil
,2-Dichloroethane	1.0 U	1.0	0.21 ug/L		08/31/11 18:44	
,2-Dichloroethane	1.0 U	1.0	0.21 ug/L		08/31/11 20:07	
,2-Dichloropropane	1.0 U	1.0	0.72 ug/L		08/31/11 18:44	
,2-Dichloropropane	1.0 U	1.0	0.72 ug/L		08/31/11 20:07	
,3-Dichlorobenzene	1.0 U	1.0	0.78 ug/L		08/31/11 18:44	
,3-Dichlorobenzene	1.0 U	1.0	0.78 ug/L		08/31/11 20:07	
,4-Dichlorobenzene	1.0 U	1.0	0.84 ug/L		08/31/11 18:44	
,4-Dichlorobenzene	1.0 U	1.0	0.84 ug/L		08/31/11 20:07	
- -Hexanone	5.0 U	5.0	1.2 ug/L		08/31/11 18:44	
-Hexanone	5.0 U	5.0	1.2 ug/L		08/31/11 20:07	
-Butanone (MEK)	10 U	10	1.3 ug/L		08/31/11 18:44	
-Butanone (MEK)	10 U	10	1.3 ug/L		08/31/11 20:07	
-Methyl-2-pentanone (MIBK)	5.0 U	5.0	2.1 ug/L		08/31/11 18:44	
-Methyl-2-pentanone (MIBK)	5.0 U	5.0	2.1 ug/L		08/31/11 20:07	
	10 U	10	•			
cetone			· ·		08/31/11 18:44	
cetone	10 U	10	3.0 ug/L		08/31/11 20:07	
enzene	1.0 U	1.0	0.41 ug/L		08/31/11 18:44	
enzene	1.0 U	1.0	0.41 ug/L		08/31/11 20:07	
romodichloromethane	1.0 U	1.0	0.39 ug/L		08/31/11 18:44	
romodichloromethane	1.0 U	1.0	0.39 ug/L		08/31/11 20:07	
moform	1.0 U	1.0	0.26 ug/L		08/31/11 18:44	
omoform	1.0 U	1.0	0.26 ug/L		08/31/11 20:07	
romomethane	1.0 U	1.0	0.69 ug/L		08/31/11 18:44	
romomethane	1.0 U	1.0	0.69 ug/L		08/31/11 20:07	
arbon disulfide	1.0 U	1.0	0.19 ug/L		08/31/11 18:44	
arbon disulfide	1.0 U	1.0	0.19 ug/L		08/31/11 20:07	
arbon tetrachloride	1.0 U	1.0	0.27 ug/L		08/31/11 18:44	
arbon tetrachloride	1.0 U	1.0	0.27 ug/L		08/31/11 20:07	
hlorobenzene	1.0 U	1.0	0.75 ug/L		08/31/11 18:44	
hlorobenzene	1.0 U	1.0	0.75 ug/L		08/31/11 20:07	
ibromochloromethane	1.0 U	1.0	0.32 ug/L		08/31/11 18:44	
ibromochloromethane	1.0 U	1.0	0.32 ug/L		08/31/11 20:07	
			_		08/31/11 18:44	
hloroethane	1.0 U	1.0	0.32 ug/L			
hloroethane	1.0 U	1.0	0.32 ug/L		08/31/11 20:07	
hlorofarm	1.0 U	1.0	0.34 ug/L		08/31/11 18:44	
hloroform	1.0 U	1.0	0.34 ug/L		08/31/11 20:07	
hloromethane	1.0 U	1.0	0.35 ug/L		08/31/11 18:44	
hloromethane	1.0 U	1.0	0.35 ug/L		08/31/11 20:07	
s-1,2-Dichloroethene	1.0 U	1.0	0.81 ug/L		08/31/11 18:44	
s-1,2-Dichloroethene	1.0 U	1.0	0.81 ug/L		08/31/11 20:07	
s-1,3-Dichloropropene	1.0 Ū	1.0	0.36 ug/L		08/31/11 18:44	
s-1,3-Dichloropropene	1.0 U	1.0	0.36 ug/L		08/31/11 20:07	
yclohexane	1.0 U	1.0	0.18 ug/L		08/31/11 18:44	
yclohexane	1.0 U	1.0	0.18 ug/L		08/31/11 20:07	
ichlorodifluoromethane	1.0 U	1.0	0.68 ug/L		08/31/11 18:44	
ichlorodifluoromethane	1.0 U	1.0	0.68 ug/L		08/31/11 20:07	
					the same and a second second second	
ylbenzene	1.0 U	1.0	0.74 ug/L		08/31/11 18:44	
ylbenzene	1.0 U	1.0	0.74 ug/L		08/31/11 20:07	
sopropylbenzene	1.0 U	1.0	0.79 ug/L		08/31/11 18:44	

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Lab Sample ID: 480-9139-27

Matrix: W

Client Sample ID: TB-110830

Date Collected: 08/30/11 13:50 Date Received: 08/30/11 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	U	1.0	0.50	ug/L			08/31/11 18:44	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			08/31/11 20:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/31/11 18:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/31/11 20:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/31/11 18:44	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/31/11 20:07	1
Methylene Chloride	3.7		1.0	0.44	ug/L			08/31/11 18:44	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/31/11 20:07	1
Styrene	1.0	U	1.0	0.73	ug/L			08/31/11 18:44	1
Styrene	1.0	U	1.0	0.73	ug/L			08/31/11 20:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/31/11 18:44	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/31/11 20:07	1
Toluene	1.0	U	1.0	0.51	ug/L			08/31/11 18:44	1
Toluene	1.0	U	1.0	0.51	ug/L			08/31/11 20:07	1
rans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/31/11 18:44	1
rans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/31/11 20:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/31/11 18:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/31/11 20:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/31/11 18:44	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/31/11 20:07	_1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/31/11 18:44	(a40)
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/31/11 20:07	
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/31/11 18:44	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/31/11 20:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/31/11 18:44	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/31/11 20:07	1
Surrogate	% Recovery	Qualifier	Limits			_	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 _ 137				-	08/31/11 18:44	1
1,2-Dichloroethane-d4 (Surr)	110		66 _ 137					08/31/11 20:07	1
Toluene-d8 (Surr)	99		71 - 126					08/31/11 18:44	
Toluene-d8 (Surr)	101		71 - 126					08/31/11 20:07	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/31/11 18:44	1
4-Bromofluorobenzene (Surr)	91		73 - 120					08/31/11 20:07	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

hod: 8260B - Volatile Organic Compounds (GC/MS)

∡ix: Solid Prep Type: Total/NA

				Percent Surroga	te Recovery (Acceptance Limits)
4		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)	
480-9139-19	SB07-SS01	86	93	92	
480-9139-20	SB08-SS01	86	91	90	
480-9139-21	SB09-SS01	93	106	75	
480-9139-22	SB10-SS01	93	105	79	
480-9139-23	SB11-SS01	90	100	86	
480-9139-24	SB12-SS01	91	94	94	
480-9139-25	SB12-SS11	92	96	94	
480-9139-26	SB13-SS01	93	105	80	
LCS 480-29571/4	Lab Control Sample	88	98	104	

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid Prep Type: Total/NA

_				Percent Su
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(53-146)	(50-149)	(49-148)
-9139-23 - DL	SB11-SS01	105 D	103 D	102 D
S 480-29597/1-A	Lab Control Sample	106	108	110
MB 480-29597/2-A	Method Blank	110	114	110

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		12DCE	TOL	BFB							
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)							
480-9139-27	TB-110830	95	99	99							
480-9139-27	TB-110830	110	101	91							
LCS 480-29577/4	Lab Control Sample	110	101	96							
MB 480-29577/5	Method Blank	110	102	91		-					

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TestAmerica Buffalo

Surrogate Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total

				Percent Su	rrogate Recovery (Acceptance Limits)
		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)	
MB 480-29571/13	Method Blank	85	96	96	

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TestAmerica Buffalo

Client: ENVIRON International Corp. Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-29571/13

Matrix: Water

Analysis Batch: 29571

Client Sample ID: Method Blank Prep Type: Total/NA

5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	U U U U	RL 5.0 5.0 5.0 5.0 5.0 5.0 5.0	MDL 0.36 0.81 0.65 1.1 0.61	ug/Kg ug/Kg ug/Kg ug/Kg	<u>D</u>	Prepared	Analyzed 08/31/11 11:42 08/31/11 11:42 08/31/11 11:42	Dil Fac
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	U U U U U U	5.0 5.0 5.0 5.0 5.0 5.0	0.36 0.81 0.65 1.1 0.61	ug/Kg ug/Kg ug/Kg ug/Kg		riepaieu	08/31/11 11:42 08/31/11 11:42	1
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	U U U U U U	5.0 5.0 5.0 5.0	0.81 0.65 1.1 0.61	ug/Kg ug/Kg ug/Kg			08/31/11 11:42	1
5.0 5.0 5.0 5.0 5.0 5.0 5.0	U U U U U	5.0 5.0 5.0 5.0	0.65 1.1 0.61	ug/Kg ug/Kg				
5.0 5.0 5.0 5.0 5.0 5.0	U U U U	5.0 5.0 5.0	1.1 0.61	ug/Kg				1
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5.0 5.0 5.0 5.0	U U U	5.0		ug/Kg			08/31/11 11:42	1
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5.0 5.0 5.0	U			ug/Kg			08/31/11 11:42	
5.0 5.0		5.0		ug/Kg			08/31/11 11:42	1
5.0	U	5.0		ug/Kg			08/31/11 11:42	1
		5.0		ug/Kg			08/31/11 11:42	1
5.0		5.0		ug/Kg			08/31/11 11:42	1
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5.0	U			_				1
	U			_				1
				• -				1
				•				1
							08/31/11 11:42	1
							08/31/11 11:42	1
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	U							1
	U							1
	U			-				1
5.0	U			-			08/31/11 11:42	1
5.0	U						08/31/11 11:42	1
5.0	 U						08/31/11 11:42	1
5.0	U							1
5.0	U	5.0		_			08/31/11 11:42	1
5.0	U	5.0					08/31/11 11:42	1
5.0	ប	5.0					08/31/11 11:42	1
5.0	u	5.0	0.41	ug/Kg			08/31/11 11:42	1
5.0	U	5.0					08/31/11 11:42	1
5.0	U	5.0					08/31/11 11:42	1
5.0	U	5.0		-			08/31/11 11:42	1
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TestAmerica Job ID: 480-9139-1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-29571/13

Matrix: Water

Analysis Batch: 29571

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	мв				
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		64 - 126		08/31/11 11:42	1
Toluene-d8 (Surr)	96		71 - 125		08/31/11 11:42	1
4-Bromofluorobenzene (Surr)	96		72 - 126		08/31/11 11:42	1

Lab Sample ID: LCS 480-29571/4

Matrix: Solid

Analysis Batch: 29571

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
1,1-Dichloroethane	50.0	51.5		ug/Kg		103	79 _ 126	
1,1-Dichtoroethene	50.0	49.2		ug/Kg		98	65 _ 153	
1,2-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 120	
1,2-Dichloroethane	50.0	51.0		ug/Kg		102	77 - 122	
Benzene	50.0	53.3		ug/Kg		107	79 _ 127	
Chlorobenzene	50.0	55.3		ug/Kg		111	76 ₋ 124	
cis-1,2-Dichloroethene	50.0	51.2		ug/Kg		102	81 ₋ 117	
Ethylbenzene	50.0	53.8		ug/Kg		108	80 _ 120	
Methyl tert-butyl ether	50.0	51.0		ug/Kg		102	63 _ 125	
Tetrachloroethene	50.0	51.3		ug/Kg		103	74 - 122	
Toluene	50.0	51.3		ug/Kg		103	74 - 128	;
trans-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	78 _ 126	1
Trichloroethene -	50.0	51.4		ug/Kg		103	77 _ 129	

LCS LCS

Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		64 - 126
Toluene-d8 (Surr)	98		71 _ 125
4-Bromofluorobenzene (Surr)	104		72 - 126

Lab Sample ID: MB 480-29577/5

Matrix: Water

Analysis Batch: 29577

Client Sample ID: Method Blank

Prep Type: Total/NA

1	Analysis batch: 29077									
		MB	MB							
	Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/31/11 11:53	1
	1,1,2,2-Tetrachloroethane	1.0	U	. 1.0	0.21	ug/L			08/31/11 11:53	1
	1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/31/11 11:53	1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/31/11 11:53	1
	1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/31/11 11:53	1
	1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/31/11 11:53	1
	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/31/11 11:53	1
İ	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/31/11 11:53	1
I	1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/31/11 11:53	1
	1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/31/11 11:53	1
l	1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 11:53	1
	1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/31/11 11:53	1
	1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/31/11 11:53	
	1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/31/11 11:53	
	2-Hexanone	5.0	U	5.0	1.2	ug/L			08/31/11 11:53	-1
	2-Butanone (MEK)	10	U	10	1.3	ug/L			08/31/11 11:53	1
ŧ										

Client: ENVIRON International Corp. Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-29577/5 Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA Analysis Batch: 29577 MB MB MDL Unit RL Analyte Result Qualifier Prepared Analyzed Dil Fac 5.0 4-Methyl-2-pentanone (MIBK) 5.0 U 2.1 ug/L 08/31/11 11:53 10 Acetone 10 U 3.0 ug/L 08/31/11 11:53 1.0 08/31/11 11:53 Benzene 1.0 U 0.41 ug/L Bromodichloromethane 1.0 U 1.0 0.39 08/31/11 11:53 1.0 1.0 08/31/11 11:53 Bromoform 0.26 ug/L 1.0 U 0.69 ug/L 08/31/11 11:53 Bromomethane 1.0 Carbon disulfide 1.0 U 1.0 0.19 ug/L 08/31/11 11:53 Carbon tetrachloride 1.0 U 1.0 0.27 ug/L 08/31/11 11:53 Chlorobenzene 1.0 U 1.0 0.75 ug/L 08/31/11 11:53 Dibromochloromethane 1.0 U 1.0 0.32 ug/L 08/31/11 11:53 Chloroethane 1.0 U 1.0 0.32 ug/L 08/31/11 11:53 1.0 0.34 ug/L 08/31/11 11:53 Chloroform 1.0 U Chloromethane 1.0 U 1.0 0.35 ug/L 08/31/11 11:53 1.0 08/31/11 11:53 cis-1,2-Dichloroethene 0.81 ug/L 08/31/11 11:53 cis-1,3-Dichloropropene 1.0 U 1.0 0.36 ug/L 08/31/11 11:53 Cyclohexane 1.0 U 1.0 0.18 ug/L 1.0 08/31/11 11:53 Dichlorodifluoromethane 1.0 0.68 ug/L 1.0 08/31/11 11:53 Ethylbenzene 1.0 U 0.74 ug/L 08/31/11 11:53 Isopropylbenzene 1.0 U 1.0 0.79 ug/L **ethyl acetate 1.0 U 1.0 0.50 ug/L 08/31/11 11:53 08/31/11 11:53 1.0 U 1.0 0.16 ug/L hyl tert-butyl ether 08/31/11 11:53 1.0 0.16 ug/L ĭMethylcyclohexane 1.0 U 1.0 0.44 ug/L 08/31/11 11:53 Methylene Chloride 1.0 08/31/11 11:53 1.0 U 1.0 0.73 ug/L Styrene 08/31/11 11:53 1.0 0.36 Tetrachloroethene 1.0 U ug/L 1.0 0.51 08/31/11 11:53 Toluene ug/L 08/31/11 11:53 1.0 U 1.0 0.90 ua/L trans-1,2-Dichloroethene 08/31/11 11:53 trans-1,3-Dichloropropene 1.0 U 1.0 0.37 ug/L Trichloroethene 1.0 U 1.0 0.46 ug/L 08/31/11 11:53 1.0 0.88 ug/L 08/31/11 11:53 Trichlorofluoromethane 1.0 U 0.90 ug/L 08/31/11 11:53 Vinyl chloride 1.0 U 1.0 2.0 U 2.0 0.66 ug/L 08/31/11 11:53 Xylenes, Total

мв мв Dil Fac Surrogate Qualifier Limits Prepared Analyzed % Recovery 08/31/11 11:53 66 - 137 1,2-Dichloroethane-d4 (Surr) 110 08/31/11 11:53 1 Toluene-d8 (Surr) 102 71 - 126 4-Bromofluorobenzene (Surr) 91 73 - 120 08/31/11 11:53 1

Lab Sample ID: LCS 480-29577/4

Matrix: Water

Analysis Batch: 29577

Client Sample ID: Lab Control Sample	ż
Prep Type: Total/NA	ı

Analysis Daton. 20077	Spike	LCS	LCS				% Rec.
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits
1,1-Dichloroethane	25.0	29.3		ug/L		117	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	65 - 138
- 1 2-Dichlorobenzene	25.0	26.4		ug/L		106	77 - 120
Dichloroethane	25.0	31.7		ug/L		127	75 - 127
~ benzene	25.0	27.4		ug/L		110	71 - 124
Chlorobenzene	25.0	27.5		ug/L		110	72 - 120

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-29577/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA Matrix: Water

Analysis Batch: 29577

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124	
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123	
Methyl tert-butyl ether	25.0	25.3		ug/L		101	64 - 127	
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122	
Toluene	25.0	26.6		ug/L		106	70 - 122	
trans-1,2-Dichloroethene	25.0	29.2		ug/L		117	73 - 127	
Trichloroethene	25.0	28.0		ug/L		112	74 - 123	

LCS LCS Surrogate % Recovery Qualifier Limits 110 66 - 137 1,2-Dichloroethane-d4 (Surr)

71 - 126 Toluene-d8 (Surr) 101 4-Bromafluorobenzene (Surr) 73 - 120

Lab Sample ID: MB 480-29597/2-A Client Sample ID: Method Blank

Prep Type: Total/NA Matrix: Solid

Analysis Batch: 29568								Prep Batcl	h: 29597
	MB	мв							
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		08/31/11 10:42	08/31/11 13:42	3 T.
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		08/31/11 10:42	08/31/11 13:42	. (i
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dibromoethane	100	υ	100	3.8	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
2-Hexanone	500	U	500	210	ug/Kg .		08/31/11 10:42	08/31/11 13:42	1
2-Butanone (MEK)	500	Ü	500	300	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Acetone	500	U	500	410	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Benzene	100	U	100	4.8	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Bromodichloromethane	100	U	100	20	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Bromoform	100	U	100	50	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Bromomethane	100	U	100	22	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Carbon disulfide	100	U	100	46	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Carbon tetrachloride	100	U	100	26	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chlorobenzene	100	U	100	13	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Dibromochloromethane	100	U	100	48	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chloroethane	100	U	100	21	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chloroform	100	U	100	69	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chloromethane	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		08/31/11 10:42	08/31/11 13:42	<i>ب</i> ۱
cis-1,3-Dichloropropene	100	U	100		ug/Kg		08/31/11 10:42	08/31/11 13:42	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-29597/2-A Matrix: Solid

Analysis Batch: 29568

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 29597

	MB	мв						•	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	100	U	100	22	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Dichlorodifluoromethane	100	υ	100	44	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Ethylbenzene	100	U	100	29	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Isopropylbenzene	100	U	100	15	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methyl acetate	100	U	100	48	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methylcyclohexane	100	υ	100	47	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methylene Chloride	100	U	100	20	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Styrene	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Tetrachloroethene	100	U	100	13	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Toluene	100	U	100	27	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
trans-1,3-Dichloropropene	100	U	100	4.8	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Trichloroethene	100	U	100	28	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Vinyl chloride	100	U	100	34	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Xylenes, Total	200	U	200	17	ug/Kg		08/31/11 10:42	08/31/11 13:42	1

мв мв

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dichloroethane-d4 (Surr)	110		53 - 146	08/31/11 10:42	08/31/11 13:42	1
Juene-d8 (Surr)	114		50 - 149	08/31/11 10:42	08/31/11 13:42	1
4-Bromofluorobenzene (Surr)	110		49 - 148	08/31/11 10:42	08/31/11 13:42	1

Lab Sample ID: LCS 480-29597/1-A

Matrix: Solid

Analysis Batch: 29568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29597

	Spike	LCS	LCS				% Rec.
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits
1,1-Dichloroethane	2500	2730		ug/Kg		109	
1,1-Dichloroethene	2500	2320		ug/Kg		93	54 - 144
1,2-Dichlorobenzene	2500	2760		ug/Kg		110	
1,2-Dichloroethane	2500	2730		ug/Kg		109	
Benzene	2500	2700		ug/Kg		108	75 - 131
Chlorobenzene	2500	2810		ug/Kg		112	80 - 127
cis-1,2-Dichloroethene	2500	2690		ug/Kg		108	
Ethylbenzene	2500	2890		ug/Kg		116	
Methyl tert-butyl ether	2500	2450		ug/Kg		98	
Tetrachloroethene	2500	3140		ug/Kg		126	
Toluene	2500	2800		ug/Kg		112	76 - 133
trans-1,2-Dichloroethene	2500	2870		ug/Kg		115	
Trichloroethene	2500	2800		ug/Kg		112	77 - 130

LCS LCS

Surrogate	% Recovery Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106	53 - 146
Toluene-d8 (Surr)	108	50 ₋ 149
Yomofluorobenzene (Surr)	110	49 - 148

QC Sample Results

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Lab Sample ID: LCSSRM 480-29833/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 30112

TestAmerica Job ID: 480-9139-1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 29833

Prep Type: Total/NA

Project/Site. V Divi Lockpoit	
Method: 6010B - Metals (ICP)	
Lab Sample ID: MB 480-29833/1-A	Client Sample ID: Met

	мв	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0	U	1.0	0.25	mg/Kg		09/01/11 17:30	09/02/11 19:09	1

Matrix: Solid Analysis Batch: 30112							Prep Type: To Prep Batch:	
	Spike	LCSSRM	LCSSRM				% Rec.	
Analyte	Added	Result	Qualifier	Unit	Ð	% Rec	Limits	
Lead	144	150.7		mg/Kg		105	73 - 126	
Lab Sample ID: 480-9139-11 MS						Client	Sample ID: SB04	-SS02

Analysis Batch: 30112									Prep	Batch: 2	29833
	Sample	Sample	Spike	MS	MS				% Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits		
Lead	95.8		51.5	102.1	F	mg/Kg	ኞ	12	75 - 125		

	Camala Camala	Palle	MCD MCD	D/ D+=	800
Analysis Batch: 30112				Prep Bate	:h: 29833
Matrix: Solid				Prep Type:	Total/NA
Lab Sample ID: 480-9139-11 MSD				Client Sample ID: SE	304-SS02

	Sample	Sample	Spike	MOD	MOD				% Rec.		K
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	1
Lead	95.8		54.0	115.1	F	mg/Kg	卒	36	75 - 125	12	Tij

QC Association Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

MS VOA					
Analysis Batch: 29568					
- Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bate
LCS 480-29597/1-A	Lab Control Sample	Total/NA	Solid	8260B	2959
MB 480-29597/2-A	Method Blank	Total/NA	Solid	8260B	2959
nalysis Batch: 29571					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bate
480-9139-19	SB07-SS01	Total/NA	Solid	8260B	2961
480-9139-20	SB08-SS01	Total/NA	Solid	8260B	296
480-9139-21	SB09-SS01	Total/NA	Solid	8260B	296
480-9139-22	SB10-SS01	Total/NA	Solid	8260B	296
480-9139-23	SB11-SS01	Total/NA	Solid	8260B	296
480-9139-24	SB12-SS01	Total/NA	Solid	8260B	296
480-9139-25	SB12-SS11	Total/NA	Solid	8260B	296
480-9139-26	SB13-SS01	Total/NA	Solid	8260B	296
480-9139-27	TB-110830	Total/NA	Water	8260B	
LCS 480-29571/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-29571/13	Method Blank	Total/NA	Water	8260B	
- Analysis Batch: 29577					
- Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
480-9139-27	TB-110830	Total/NA	Water	8260B	
LCS 480-29577/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-29577/5	Method Blank	Total/NA	Water	8260B	
Batch: 29597					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
480-9139-23 - DL	SB11-SS01	Total/NA	Solid	5035	
LCS 480-29597/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-29597/2-A	Method Blank	Total/NA	Solid	5035	
Prep Batch: 29616					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
480-9139-19	SB07-SS01	Total/NA	Solid	5035	
480-9139-20	SB08-SS01	Total/NA	Solid	5035	
480-9139-21	SB09-SS01	Total/NA	Solid	5035	
480-9139-22	SB10-SS01	Total/NA	Solid	5035	
480-9139-23	SB11-SS01	Total/NA	Solid	5035	
480-9139-24	SB12-SS01	Total/NA	Solid	5035	
480-9139-25	SB12-SS11	Total/NA	Solid	5035	
480-9139-26	SB13-SS01	Total/NA	Solid	5035	
nalysis Batch: 29768					
- Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
480-9139-23 - DL	SB11-SS01	Total/NA	Solid	8260B	295
/letals					
Prep Batch: 29833	·		***************************************		
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Mothed	Prep Bat
- 1-9139-1	SB01-SS01	Total/NA	Matrix Solid	Method 3050B	- rep Bat
i					
J-9139-2	SB01-SS02	Total/NA	Solid	3050B	
480-9139-3	SB01-SS03	Total/NA	Solid	3050B	
480-9139-4	SB02-SS01	Total/NA	Solid	3050B	

TestAmerica Job ID: 480-9139-1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Metals (Continued)

Prep Batch: 29833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-5	SB02-SS02	Total/NA	Solid	3050B	
480-9139-6	SB02-SS03	Total/NA	Solid	3050B	
480-9139-7	SB03-SS01	Total/NA	Solid	3050B	
480-9139-8	SB03-SS02	Total/NA	Solid	3050B	
480-9139-9	SB03-SS03	Total/NA	Solid	3050B	
480-9139-10	SB04-SS01	Total/NA	Solid	3050B	
480-9139-11	SB04-SS02	Total/NA	Solid	3050B	
480-9139-11 MS	SB04-SS02	Total/NA	Solid	3050B	
480-9139-11 MSD	SB04-SS02	Total/NA	Solid	3050B	
480-9139-12	SB04-SS03	Total/NA	Solid	3050B	
480-9139-13	SB05-SS01	Total/NA	Solid	3050B	
480-9139-14	SB05-SS02	Total/NA	Solid	3050B	
480-9139-15	SB05-SS03	Total/NA	Solid	3050B	
480-9139-16	SB06-SS01	Total/NA	Solid	3050B	
480-9139-17	SB06-SS02	Total/NA	Solid	3050B	
480-9139-18	SB06-SS03	Total/NA	Solid	3050B	
LCSSRM 480-29833/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-29833/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 30112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-1	SB01-SS01	Total/NA	Solid	6010B	29833
480-9139-2	SB01-SS02	Total/NA	Solid	6010B	2የ
480-9139-3	SB01-SS03	Total/NA	Solid	6010B	2\
480-9139-4	SB02-SS01	Total/NA	Solid	6010B	29833
480-9139-5	SB02-SS02	Total/NA	Solid	6010B	29833
480-9139-6	SB02-SS03	Total/NA	Solid	6010B	29833
480-9139-7	SB03-SS01	Total/NA	Solid	6010B	29833
480-9139-8	SB03-SS02	Total/NA	Solid	6010B	29833
480-9139-9	SB03-SS03	Total/NA	Solid	6010B	29833
480-9139-10	SB04-SS01	Total/NA	Solid	6010B	29833
480-9139-11	SB04-SS02	Total/NA	Solid	6010B	29833
480-9139-11 MS	SB04-SS02	Total/NA	Solid	6010B	29833
480-9139-11 MSD	SB04-SS02	Total/NA	Solid	6010B	29833
480-9139-12	SB04-SS03	Total/NA	Solid	6010B	29833
480-9139-13	SB05-SS01	Total/NA	Solid	6010B	29833
480-9139-14	SB05-SS02	Total/NA	Solid	6010B	29833
480-9139-15	SB05-SS03	Total/NA	Solid	6010B	29833
480-9139-16	SB06-SS01	Total/NA	Solid	6010B	29833
480-9139-17	SB06-SS02	Total/NA	Solid	6010B	29833
480-9139-18	SB06-SS03	Total/NA	Solid	6010B	29833
LCSSRM 480-29833/2-A	Lab Control Sample	Total/NA	Solid	6010B	29833
MB 480-29833/1-A	Method Blank	Total/NA	Solid	6010B	29833

General Chemistry

Analysis Batch: 29655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-1	SB01-SS01	Total/NA	Solid	Moisture	,*
480-9139-2	SB01-SS02	Total/NA	Solid	Moisture	
480-9139-3	SB01-SS03	Total/NA	Solid	Moisture	
480-9139-4	SB02-SS01	Total/NA	Solid	Moisture	

QC Association Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

eral Chemistry (Continued)

Analysis Batch: 29655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
180-9139-5	SB02-SS02	Total/NA	Solid	Moisture	
180-9139-6	SB02-SS03	Total/NA	Solid	Moisture	
480-9139-7	SB03-SS01	Total/NA	Solid	Moisture	
180-9139 - 8	SB03-SS02	Total/NA	Solid	Moisture	
180-9139-9	SB03-SS03	Total/NA	Solid	Moisture	
80-9139-10	SB04-SS01	Total/NA	Solid	Moisture	
80-9139-11	SB04-SS02	Total/NA	Solid	Moisture	
80-9139-12	SB04-SS03	Total/NA	Solid	Moisture	
180-9139-13	SB05-SS01	Total/NA	Solid	Moisture	
80-9139-14	SB05-SS02	Total/NA	Solid	Moisture	
80-9139-15	SB05-SS03	Total/NA	Solid	Moisture	
80-9139-16	SB06-SS01	Total/NA	Solid	Moisture	
80-9139-17	SB06-SS02	Total/NA	Solid	Moisture	•
80-9139-18	SB06-SS03	Total/NA	Solid	Moisture	
80-9139-19	SB07-SS01	Total/NA	Solid	Moisture	
80-9139-20	SB08-SS01	Total/NA	Solid	Moisture	
80-9139-21	SB09-SS01	Total/NA	Solid	Moisture	
80-9139-22	SB10-SS01	Total/NA	Solid	Moisture	
80-9139-23	SB11-SS01	Total/NA	Solid	Moisture	
80-9139-24	SB12-SS01	Total/NA	Solid	Moisture	
80-9139-25	SB12-SS11	Total/NA	Solid	Moisture	
180-9139-26	SB13-SS01	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB01-SS01

Date Collected: 08/30/11 08:48

Date Received: 08/30/11 17:05

Lab Sample ID: 480-913/

Matrix: S

Percent Solids: 76.8

Г		Batch	Batch		Dilution	Batch	Prepared		
P	rep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Ī	otal/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Τ	otal/NA	Analysis	6010B		1	30112	09/02/11 19:18	AH	TAL BUF
L	otal/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Sample ID: 480-9139-2 Client Sample ID: SB01-SS02

Date Collected: 08/30/11 08:50

Date Received: 08/30/11 17:05

Matrix: Solid Percent Solids: 75.8

	_	Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
	Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
	Total/NA	Analysis	6010B		1	30112	09/02/11 19:20	AH	TAL BUF
ŀ	Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB01-SS03 Lab Sample ID: 480-9139-3

Date Collected: 08/30/11 08:52

Date Received: 08/30/11 17:05

Matrix: Solid Percent Solids: 91.2

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab	
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF	_ ()
Total/NA	Analysis	6010B		1	30112	09/02/11 19:22	AH	TAL BUF	
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF	

Client Sample ID: SB02-SS01 Lab Sample ID: 480-9139-4

Date Collected: 08/30/11 09:05

Date Received: 08/30/11 17:05

Matrix: Solid Percent Solids: 84.0

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:24	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Sample ID: 480-9139-5 Client Sample ID: SB02-SS02

Date Collected: 08/30/11 09:07

Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 70.8

		Batch	Batch		Dilution	Batch	Prepared		
İ	Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
	Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
	Total/NA	Analysis	6010B		1	30112	09/02/11 19:26	AH	TAL BUF
	Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

nt Sample ID: SB02-SS03

∠ Collected: 08/30/11 09:09 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-6

Matrix: Solid

Percent Solids: 81.6

-		Batch	Batch		Dilution	Batch	Prepared		
į	Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
	Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
	Total/NA	Analysis	6010B		1	30112	09/02/11 19:28	AH	TAL BUF
	Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB03-SS01

Date Collected: 08/30/11 09:19 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-7

Matrix: Solid Percent Solids: 88.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B		 -	29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:31	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB03-SS02

Date Collected: 08/30/11 09:21

Lab Sample ID: 480-9139-8

Matrix: Solid Date Received: 08/30/11 17:05 Percent Solids: 74.5

		Batch	Batch		Dilution	Batch	Prepared		
- 1	Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
8		Prep	3050B			29833	09/01/11 17:30	MM ·	TAL BUF
*	∼-otal/NA	Analysis	6010B		1	30112	09/02/11 19:33	AH	TAL BUF
	Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB03-SS03

Date Collected: 08/30/11 09:23 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-9

Matrix: Solid

Percent Solids: 77.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:35	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: \$B04-\$\$01

Date Collected: 08/30/11 09:40

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-10

Matrix: Solid

Percent Solids: 91.8

		Batch	Batch		Dilution	Batch	Prepared		
	Ргер Туре	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
=	Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
-	Total/NA	Analysis	6010B		1	30112	09/02/11 19:42	АН	TAL BUF
-	Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF



TestAmerica Job ID: 480-9139-1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Client Sample ID: SB04-SS02

Date Collected: 08/30/11 09:42

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139

Matrix: S⊾ >

Percent Solids: 75.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		t	30112	09/02/11 19:44	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Sample ID: 480-9139-12 Client Sample ID: SB04-SS03

Date Collected: 08/30/11 09:44

Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 77.8

-	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:55	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Sample ID: 480-9139-13 Client Sample ID: SB05-SS01

Date Collected: 08/30/11 09:55

Date Received: 08/30/11 17:05

Matrix: Solid 3/2

Percent Solids: 85.3

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab	en ,
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF	
Total/NA	Analysis	6010B		1	30112	09/02/11 19:57	AH	TAL BUF	-
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF	

Lab Sample ID: 480-9139-14 Client Sample ID: SB05-SS02

Date Collected: 08/30/11 09:57

Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 81.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		t	30112	09/02/11 19:59	AH	TAL BUF
Total/NA	Analysis	Moisture		. 1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB05-SS03 Lab Sample ID: 480-9139-15

Date Collected: 08/30/11 09:59

Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 83.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 20:02	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

nt Sample ID: SB06-SS01

∠ Collected: 08/30/11 10:12 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-16

Matrix: Solid

Percent Solids: 96.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 20:08	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB06-SS02

Date Collected: 08/30/11 10:13 Date Received: 08/30/11 17:05 Lab Sample ID: 480-9139-17

Matrix: Solid Percent Solids: 80.5

				and the second s					
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab	
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF	
Total/NA	Analysis	6010B		1	30112	09/02/11 20:11	AH	TAL BUF	
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF	

Client Sample ID: SB06-SS03

Date Collected: 08/30/11 10:15 Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-18

Matrix: Solid Percent Solids: 69.7

Γ	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
JI/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
tal/NA-	Analysis	6010B		1	30112	09/02/11 20:13	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB07-SS01

Date Collected: 08/30/11 11:15

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139-19

Matrix: Solid Percent Solids: 96.6

Batch Batch Dilution Batch Prepared Method Prep Type Type Run Factor Number Or Analyzed Analyst Lab 5035 08/31/11 10:10 PJQ TAL BUF Total/NA Prep 29616 Total/NA Analysis 8260B 1 29571 08/31/11 15:20 PJQ TAL BUF 29655 08/31/11 14:11 ZLR TAL BUF

Client Sample ID: SB08-SS01

Analysis

Moisture

Date Collected: 08/30/11 11:50

Date Received: 08/30/11 17:05

Total/NA

Lab Sample ID: 480-9139-20

Matrix: Solid

Percent Solids: 88.6

Γ	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 15:45	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

TestAmerica Job ID: 480-9139-1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Client Sample ID: SB09-SS01

Date Collected: 08/30/11 12:05

Date Received: 08/30/11 17:05

Lab Sample ID: 480-9139

Matrix: S ...

Percent Solids: 85.9

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 16:11	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB10-SS01 Lab Sample ID: 480-9139-22

Date Collected: 08/30/11 12:20

Date Received: 08/30/11 17:05

Matrix: Solid
Percent Solids: 86.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 16:37	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB11-SS01 Lab Sample ID: 480-9139-23

Date Collected: 08/30/11 12:35

Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 81.0

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab	1 .
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF	
Total/NA	Analysis	8260B		1	29571	08/31/11 17:02	PJQ	TAL BUF	100 m
Total/NA	Prep	5035	DL		29597	09/01/11 01:02	LH	TAL BUF	
Total/NA	Analysis	8260B	DL	4	29768	09/01/11 14:42	LH	TAL BUF	
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF	

Client Sample ID: SB12-SS01 Lab Sample ID: 480-9139-24

Date Collected: 08/30/11 12:57

Date Received: 08/30/11 17:05

Matrix: Solid

Percent Solids: 88.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Ргер	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 17:28	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB12-SS11 Lab Sample ID: 480-9139-25

Date Collected: 08/30/11 12:57

Date Received: 08/30/11 17:05

. Matrix: Solid Percent Solids: 86.6

Batch Batch Dilution Batch Prepared Method Number Or Analyzed Prep Type Factor Type Run Analyst Lab Total/NA Prep 5035 29616 08/31/11 10:10 PJQ TAL BUF TAL BUF Total/NA Analysis 8260B 29571 08/31/11 17:53 PJQ Total/NA 29655 08/31/11 14:11 ZLR TAL BUF Analysis Moisture

Lab Chronicle

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Lab Sample ID: 480-9139-26

Matrix: Solid

Percent Solids: 78.6

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,		nt	Cam	nla	ID.	SB	13-SS	01
		311	Jaiii	hie	ID.	JU	13-33	U
	٠	- 1		-				
		10	- 11 4 -	-I. A	A 12 A	144	40.00	

Collected: 08/30/11 13:20 Date Received: 08/30/11 17:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 18:19	PJQ	TAL BUF
Total/NA	Analysis	Moisture	•	1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: TB-110830

Date Collected: 08/30/11 13:50 Date Received: 08/30/11 17:05

Lab	Sample	ID:	480-9139	-27
-----	--------	-----	----------	-----

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	29571	08/31/11 18:44	PJQ	TAL BUF
Totai/NA	Analysis	8260B		1	29577	08/31/11 20:07	DC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA	•	P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

d	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

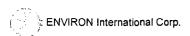
TestAmerica Job ID: 480-9139-1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Lab Sample ID	Client Sample ID	Matrix	Collected	Receive
480-9139-1	SB01-SS01	Solid	08/30/11 08:48	08/30/11 17:05
480-9139-2	SB01-SS02	Solid	08/30/11 08:50	08/30/11 17:05
480-9139-3	SB01-SS03	Solid	08/30/11 08:52	08/30/11 17:05
480-9139-4	SB02-SS01	Solid	08/30/11 09:05	08/30/11 17:05
480-9139-5	SB02-SS02	Solid	08/30/11 09:07	08/30/11 17:05
480-9139-6	SB02-SS03	Solid	08/30/11 09:09	08/30/11 17:05
180-9139-7	SB03-SS01	Solid	08/30/11 09:19	08/30/11 17:05
480-9139-8	SB03-SS02	Solid	08/30/11 09:21	08/30/11 17:05
480-9139 -9	SB03-SS03	Solid	08/30/11 09:23	08/30/11 17:05
180-9139-10	SB04-SS01	Solid	08/30/11 09:40	08/30/11 17:05
80-9139-11	SB04-SS02	Solid	08/30/11 09:42	08/30/11 17:05
180-9139-12	SB04-SS03	Solid	08/30/11 09:44	08/30/11 17:05
180-9139-13	SB05-SS01	Solid	08/30/11 09:55	08/30/11 17:05
80-9139-14	SB05-SS02	Solid	08/30/11 09:57	08/30/11 17:05
80-9139-15	SB05-SS03	Solid	08/30/11 09:59	08/30/11 17:05
180-9139-16	SB06-SS01	Solid	08/30/11 10:12	08/30/11 17:05
80-9139-17	\$B06-\$\$02	Solid	08/30/11 10:13	08/30/11 17:05
180-9139-18	SB06-SS03	Solid	08/30/11 10:15	08/30/11 17:05
180-9139-19	SB07-SS01	Solid	08/30/11 11:15	08/30/11 17:05
80-9139-20	SB08-SS01	Solid	08/30/11 11:50	08/30/11 17:05
80-9139-21	SB09-SS01	Solid	08/30/11 12:05	08/30/11 17:05
80-9139-22	SB10-SS01	Solid	08/30/11 12:20	08/30/11 17:05
80-9139-23	SB11-SS01	Solid	08/30/11 12:35	08/30/11 17:05
80-9139-24	SB12-SS01	Solid	08/30/11 12:57	08/30/11 17:05
80-9139-25	SB12-SS11	Solid	08/30/11 12:57	08/30/11 17:7
180-9139-26	SB13-SS01	Solid	08/30/11 13:20	08/30/11 1
180-9139-27	TB-110830	Water	08/30/11 13:50	08/30/11 17:05

Login Sample Receipt Checklist



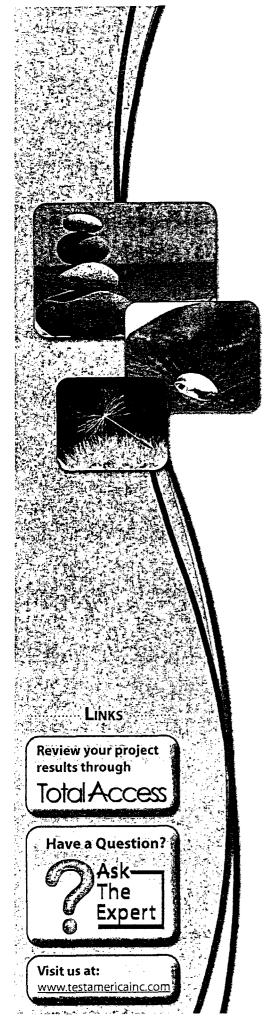
Jab Number: 480-9139-1

Login Number: 9139

List Number: 1 Creator: May, Joel M List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
ple collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ENVIRON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica Buffalo



<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

TestAmerica Job ID: 480-9354-1 Client Project/Site: VDM Lockport

For: ENVIRON International Corp. 214 Carnegie Center Suite 200 Princeton, New Jersey 08540

Attn: Mr. Jay Shipley

Deggy Gray - Eramann

Authorized for release by: 09/10/2011 01:13:00 PM

Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accreding parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 58

09/10/2011

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Definitions/Glossary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TEF

TEQ

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-9354-1

Qualifiers		
GC/MS VOA		ing.
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
E	Result exceeded calibration range.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.	
GC/MS VOA	ΓiCs	
Qualifier	Qualifier Description	
J	Indicates an Estimated Value for TICs	
N	This flag indicates the presumptive evidence of a compound.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.	
GC/MS Semi	VOA	
Qualifier	Qualifier Description	
Ū	Indicates the analyte was analyzed for but not detected.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
*	Recovery or RPD exceeds control limits	
x	Surrogate is outside control limits	
E	Result exceeded calibration range.	
GC/MS Semi	VOA TICs	
Qualifier	Qualifier Description	
J	Indicates an Estimated Value for TICs	
N	This flag indicates the presumptive evidence of a compound.	
j	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Metals	•	No. of the second
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
\$	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
EDL	Estimated Detection Limit (Dioxin)	
EPA	United States Environmental Protection Agency	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
ND	Not detected at the reporting limit (or method detection limit if shown)	
PQL	Practical Quantitation Limit	
RL	Reporting Limit	
RPD	Relative Percent Difference, a measure of the relative difference between two points	

Case Narrative

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

ND: 480-9354-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-9354-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample was diluted due to the abundance of target analytes: MW9D-110902 (480-9354-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: MW3D-110901 (480-9354-4), MW4DR-110901 (480-9354-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was diluted due to the abundance of target analytes: MW9D-110902 DL (480-9354-5 DL). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 480-30307 exceeded control limits for the following analyte:

This is not a client requested spike analyte; therefore, corrective action was not taken. The data has been qualified and reported.

Method(s) 8270C: The following sample contained acid surrogate 2,4,6-Tribromophenol outside acceptance limits: MW7D-110902D (480-9354-7). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

Method(s) 3510C: During pH adjustment, the following sample required 10 mL of acid to reach the desired pH: MW10D-110902 (480-9354-8). Most samples take less than 5 mL to reach the desired range.

No other analytical or quality issues were noted.

TestAmerica Buffalo

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Client Sample	ID:	MW4DF	₹-1	10901
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Lab	Sam	ple	ID:	480	-935/
-----	-----	-----	-----	-----	-------

Analyte		Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	46		1.0	0.82	ug/L	1	_	8260B	Total/NA
1,1-Dichloroethane	220	E	1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	120	E	1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	49		1.0	0.21	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	6.0		1.0	0.72	ug/L	1		8260B	Total/NA
Acetone	3.1	J	10	3.0	ug/L	1		8260B	Total/NA
Benzene	3.7		1.0	0.41	ug/L	1		8260B	Total/NA
Carbon disulfide	0.66	J	1.0	0.19	ug/L	1		8260B	Total/NA
Chlorobenzene	46		1.0	0.75	ug/L	1		8260B	Total/NA
Chloroethane	33		1.0	0.32	ug/L	1	-	8260B	Total/NA
Chloroform	42		1.0	0.34	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L	1		8260B	Total/NA
Methylene Chloride	12		1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.47	J	1.0	0.36	ug/L	1		8260B	Total/NA
Toluene	1.7		1.0	0.51	ug/L	1		8260B	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	27		1.0	0.90	ug/L	1		8260B	Total/NA
Xylenes, Total	0.77	J	2.0	0.66	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane - DL	49	D	4.0	3.3	ug/L	4		8260B	Total/NA
1,1-Dichloroethane - DL	230	D	4.0	1.5	ug/L	4		8260B	Total/NA
1,1-Dichloroethene - DL	130	D	4.0	1.2	ug/L	4		8260B	Total/NA
1,2-Dichloroethane - DL	54	D	4.0	0.84	ug/L	4	- •	8260B	Total/NA
1,2-Dichloropropane - DL	6.4	D	4.0	2.9	ug/L	4		8260B	Total/NA
Benzene - DL	4.1	D	4.0	1.6	ug/L	4		8260B	Total/NA
Chlorobenzene - DL	48	D	4.0	3.0	ug/L	4		8260B	Total/NA
Chloroethane - DL	35	D	4.0	1.3	ug/L	4		8260B	Total/NA
Chloroform - DL	46	D	4.0	1.4	ug/L	4		8260B	Total/NA
Methylene Chloride - DL	14	D	4.0	1.8	ug/L	4		8260B	Total/NA
Toluene - DL	2.0	JD	4.0	2.0	ug/L	4		8260B	Total/NA
Trichloroethene - DL	4.2	D	4.0	1.8	ug/L	4		8260B	Total/NA
Vinyl chloride - DL	29	D	4.0	3.6	ug/L	4		8260B	Total/NA
Acenaphthene	32		5.4	0.45	ug/L	1		8270C	Total/NA
Anthracene	0.47	J	5.4	0.30	ug/L	1		8270C	Total/NA
Bis(2-chloroethyl)ether	1.5	j	5,4	0.43	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2.1		5.4	2.0	ug/L	1		8270C	Total/NA
Carbazole	11		5.4	0.33	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate		J	5.4	0.34	ug/L	1		8270C	Total/NA
Dibenzofuran	9.1	-	11		ug/L	1		8270C	Total/NA
Fluorene	9.6		5.4	0.39	ug/L	1		8270C	Total/NA
Naphthalene		J	5.4	0.83	ug/L	1		8270C	Total/NA
Pentachlorophenol	5.1	J	11	2.4	ug/L	1		8270C 8270C	Total/NA
Phenanthrene	3.9		5.4		ug/L ug/L	1		8270C	Total/NA

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.5		1.0	0.38	ug/L	1	_	8260B	Total/NA
1,1-Dichloroethene	3.5		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	10		10	3.0	ug/L	1		8260B	Total/NA
Benzene	0.55	J	1.0	0.41	ug/L	1		8260B	Total/NA .
Bromodichloromethane	3.4		1.0	0.39	ug/L	1		8260B	Total/NA
Carbon disulfide	2.2		1.0	0.19	ug/L	1		8260B	Total/NA
Chlorobenzene	1.6		1.0	0.75	ug/L	1		8260B	Total/NA
Dibromochloromethane	1.3		1.0	0.32	ug/L	1		8260B	Total/NA

TestAmerica Buffalo

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

nt Sample ID: MW8D-110901 (Contin	ued)				L	_ab	Sample	ID: 480-9354
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	3.8		1.0	0.32	ug/L		_	8260B	Total/NA
Chloroform	14		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.72	J	1.0	0.51	ug/L	1		8260B	Total/NA
Acenaphthene	1.5	J	5.8	0.48	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	4.0	J	5.8	2.1	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate	0.63	J	5.8	0.36	ug/L	1		8270C	Total/NA
Diethyl phthalate	1.6	j	5.8	0.26	ug/L	1		8270C	Total/NA
N-Nitrosodiphenylamine	0.61	J	5.8	0.59	ug/L	1		8270C	Total/NA
Naphthalene	3.0	J	5.8	0.88	ug/L	1		8270C	Total/NA
Lead	0.0054		0.0050	0.0030	mg/L	1		6010B	Total/NA
lient Sample ID: MW5S-110901							_ab	Sample	D: 480-935
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	0.61	J	5.0	0.36	ug/L	1	_	8270C	Total/NA
Benzo(a)pyrene	0.54	J	5.0	0.47	ug/L	1		8270C	Total/NA
Benzo(b)fluoranthene	0.54	J	5.0	0.34	ug/L	1		8270C	Total/NA
Benzo(g,h,i)perylene	0.38	J	5.0	0.35	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2.8	J	5.0	1.8	ug/L	1		8270C	Total/NA
Chrysene	0.68	J	5.0	0.33	ug/L	1		8270C	Total/NA
Diethyl phthalate	1,5	J	5.0	0.22	ug/L	1		8270C	Total/NA
Fluoranthene	0.74	J	5.0	0.40	ug/L	1		8270C	Total/NA
Pyrene	1.2	J	5.0	0.34	ug/L	1		8270C	Total/NA
ad	0.067		0.0050	0.0030	mg/L	1		6010B	Total/NA
lient Sample ID: MW3D-110901						L	.ab	Sample I	D: 480-935
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	31		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	150	E	1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	65		1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	28		1.0	0.21	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	1.4		1.0	0.72	ug/L	1		8260B	Total/NA
Chloroethane	2.1		1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	28		1.0	0.90	ug/L	1		8260B	Total/NA

	1,1-Dichloroethane	150	E	1.0	0.38	ug/L	1	8260B	Total/NA
	1,1-Dichloroethene	65		1.0	0.29	ug/L	1	8260B	Total/NA
	1,2-Dichloroethane	28		1.0	0.21	ug/L	1	8260B	Total/NA
1	1,2-Dichloropropane	1.4		1.0	0.72	ug/L	1	8260B	Totai/NA
	Chloroethane	2.1		1.0	0.32	ug/L	1	8260B	Total/NA
	cis-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L	1	8260B	Total/NA
	Trichloroethene	1.4		1.0	0.46	ug/L	1	8260B	Total/NA
	Vinyl chloride	28		1.0	0.90	ug/L	1	8260B	Total/NA
	1,1,1-Trichloroethane - DL	32	D	4.0	3.3	ug/L	4	8260B	Total/NA
	1,1-Dichloroethane - DL	160	D	4.0	1.5	ug/L	4	8260B	Total/NA
	1,1-Dichloroethene - DL	67	D	4.0	1.2	ug/L	4	8260B	Total/NA
	1,2-Dichloroethane - DL	30	D	4.0	0.84	ug/L	4	8260B	Total/NA
1	Chloroethane - DL	2.5	JD	4.0	1.3	ug/L	4	8260B	Total/NA
	Trichloroethene - DL	2.1	JD	4.0	1.8	ug/L	4	8260B	Total/NA
	Vinyl chloride - DL	29	D	4.0	3.6	ug/L	4	8260B	Total/NA
	Acenaphthene	2.7	J	5.2	0.43	ug/L	1	8270C	Total/NA
	Carbazole	1.7	J	5.2	0.31	ug/L	1	8270C	Total/NA
	Di-n-butyl phthalate	0.57	j	5.2	0.32	ug/L	1	8270C	Total/NA
	Dibenzofuran	1.3	J .	10	0.53	ug/L	1 '	8270C	Total/NA
	Diethyl phthalate	0.52	J	5.2	0.23	ug/L	1	8270C	Total/NA
	Fluorene	0.75	J	5.2	0.38	ug/L	1	8270C	Total/NA

Crient Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D M	lethod	Prep Type
1,4-Dichlorabenzene	5.8		4.0	3.4	ug/L	4		260B	Total/NA
Bromodichloromethane	3.5	J	4.0	1.6	ug/L	4	8:	260B	Total/NA
Chlorobenzene	370		4.0	3.0	ug/L	4	8:	260B	Total/NA
Chloraform	190		4.0	1.4	ug/L	4	8:	260B	Total/NA
Cyclohexane	6.1		4.0	0.72	ug/L	4	8:	260B	Totai/NA
Ethylbenzene	290		4.0	3.0	ug/L	4	8	260B	Total/NA
sopropylbenzene	52	-	4.0	3.2	ug/L	4	8	260B	Total/NA
Methylcyclohexane	16		4.0	0.64	ug/L	4	8:	260B	Total/NA
Methylene Chloride	54		4.0	1.8	ug/L	4	8:	260B	Total/NA
Toluene	25		4.0	2.0	ug/L	4	8:	260B	Total/NA
Trichloroethene	4.0		4.0	1.8	ug/L	4	8:	260B	Total/NA
Kylenes, Total	1400	E	8.0	2.6	ug/L	4	8:	260B	Total/NA
Chlorobenzene - DL	380	D	10	7.5	ug/L	10	8:	260B	Total/NA
Chloroform - DL	210	D	10	3.4	ug/L	10	8:	260B	Total/NA
Cyclohexane - DL	5.6	J D	10	1.8	ug/L	10	8:	260B	Total/NA
Ethylbenzene - DL	290	D	10	7.4	ug/L	10	8:	260B	Total/NA
sopropylbenzene - DL	51	D	10	7.9	ug/L	10	8:	260B	Total/NA
Methylcyclohexane - DL	16	D	10	1.6	ug/L	10	8:	260B	Total/NA
/lethylene Chloride - DL	58	D	10	4.4	ug/L	10	8:	260B	Total/NA
oluene - DL	26	D	10	5.1	ug/L	10	8:	260B	Total/NA
Frichloroethene - DL	5.3	1 D	10	4.6	ug/L	10	82	260B	Total/NA
(ylenes, Total - DL	1400	D	20	6.6	ug/L	10	8:	260B	Total/NA
2,4-Dimethylphenol	0.95	J	5.6	0.56	ug/L	1	8:	270C	Total/NA
Acenaphthene	0.60	1	5.6	0.46	ug/L	1	83	270C	Total/NA
Acetophenane	2.7	J	5.6	0,61	ug/L	1	83	270C	Total/NA 🥼
Naphthalene .	0.92	1	5.6	0.85	ug/L	1	82	270C	Total/NA
Lead	0.0039	J	0.0050	0.0030	mg/L	1	60	010B	Total/NA
ient Sample ID: MW7D-1	10902					L	_ab :	Sample l	ID: 480-9354
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D M	ethod	Prep Type

Client Sample ID: MW7D	L	ab Sample	ID: 480-9354-6					
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L	1	8260B	Total/NA
1,1-Dichloroethane	22		1.0	0.38	ug/L	1	8260B	Total/NA
1,1-Dichloraethene	3.0		1.0	0.29	ug/L	1	8260B	Total/NA
1,2-Dichloroethane	0.95	1	1.0	0.21	ug/L	1	8260B	Total/NA
Chloroethane	4.4		1.0	0.32	ug/L	1	8260B	Total/NA
Chloroform	0.50	J	1.0	0.34	ug/L	1	8260B	Total/NA
Methylene Chloride	0.61	J	1.0	0.44	ug/L	1	8260B	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1	8260B	Total/NA
Xylenes, Total	0.69	J	2.0	0.66	ug/L	1	8260B	Total/NA
Acenaphthene	3.4	J	5.4	0.45	ug/L	1	8270C	Total/NA
Carbazole	3.1	J	5.4	0.33	ug/L	1	8270C	Total/NA
Dibenzofuran	3.2	J	11	0.55	ug/L	1	8270C	Total/NA
Fluorene	1.8	J	5.4	0.39	ug/L	1	8270C	Total/NA
Phenol	0.83	J	5.4	0.42	ug/L	1	8270C	Total/NA

Client Sample ID: MW7D-	110902D		Lab Sample ID: 480-93					
	Result Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type	
1,1,1-Trichloroethane	1.6	1.0	0.82	ug/L		8260B	Total/NA	
1,1-Dichloroethane	24	1.0	0.38	ug/L	1	8260B	Total/NA	
1,1-Dichloroethene	3.4	1.0	0.29	ug/L	1	8260B	Total/NA	
1,2-Dichloroethane	1.0	1.0	0.21	ug/L	1	8260B	Total/NA	
Chloroethane	5.0	1.0	0.32	ug/L	1	8260B	Total/NA	

TestAmerica Buffalo

Detection Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

nt Sample ID: MW7D-11	nt Sample ID: MW7D-110902D (Continued)								ID: 480-9354-7
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.49	J	1.0	0.34	ug/L	1	_	8260B	Total/NA
Methylene Chloride	0.62	J	1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1		8260B	Total/NA
Acenaphthene	0.91	J	5.7	0.47	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2.1	J	5.7	2.0	ug/L	1		8270C	Total/NA
Carbazole	2.1	j	5.7	0.34	ug/L	1		8270C	Total/NA
Dibenzofuran	2.3	J	11	0.58	ug/L	1		8270C	Total/NA
Fluorene	1.6	J	5.7	0.41	ug/L	1		8270C	Total/NA

Client Sample ID: MW10D-	ent Sample ID: MW10D-110902								D: 480-9354-
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Metho	od	Prep Type
Acetone	9.4	J	10	3.0	ug/L	1	8260	3	Total/NA
Bromodichloromethane	12		1.0	0.39	ug/L	1	8260	3	Total/NA
Carbon disulfide	1.6		1.0	0.19	ug/L	1	8260	3	Total/NA
Dibromochloromethane	4.2		1.0	0.32	ug/L	1	8260	3	Total/NA
Chloroform	35		1.0	0.34	ug/L	1	8260	3	Total/NA
Toluene	0.79	J	1.0	0.51	ug/L	1	8260	3	Total/NA
Xylenes, Total	1.6	J	2.0	0.66	ug/L	1	8260	3	Total/NA
Benzaldehyde	0.66	j	5.4	0.29	ug/L	1	82700	>	Total/NA
Lead	0.0050		0.0050	0.0030	mg/L	1	6010	3	Total/NA

Client Sample ID: TB-110902

Lab Sample ID: 480-9354-9



Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Client Sample ID: MW4DR-110901

Date Collected: 09/01/11 06:49 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354

Matrix: W

Method: 8260B - Volatile Organic (•	•	51	***		_			 -
Analyte		Qualifier	RL	MDL			Prepared	Analyzed	DII F
I,1,1-Trichloroethane	46		1.0	0.82	ug/L			09/06/11 16:46	
,1,2,2-Tetrachloroethane	1.0		1.0	0.21	•			09/06/11 16:46	
,1,2-Trichloroethane		U	1.0		•			09/06/11 16:46	
,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0		ug/L			09/06/11 16:46	
,1-Dichloroethane	220		1.0	0.38	-			09/06/11 16:46	
I,1-Dichloroethene	120		1.0		ug/L			09/06/11 16:46	
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	-			09/06/11 16:46	
,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 16:46	
,2-Dibromoethane	1.0	U	1.0		ug/L			09/06/11 16:46	
,2-Dichlorobenzene	1.0	U	. 1.0	0.79				09/06/11 16:46	
1,2-Dichloroethane	49		1.0	0.21	ug/L			09/06/11 16:46	
,2-Dichloropropane	6.0		1.0	0.72	ug/L			09/06/11 16:46	
,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 16:46	
,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 16:46	
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 16:46	
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 16:46	
-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 16:46	
Acetone	3.1	J	10	3.0	ug/L			09/06/11 16:46	
Benzene	3.7		1.0	0.41	ug/L			09/06/11 16:46	
romodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 16:46	
sramofarm	1.0	U	1.0	0.26	ug/L			09/06/11 16:46	(.
romomethane	1.0	U	1.0	0.69	ug/L			09/06/11 16:46	١.
arbon disulfide	0.66	J	1.0	0.19	ug/L			09/06/11 16:46	
arbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 16:46	
hlorobenzene	46		1.0	0.75	ug/L			09/06/11 16:46	
Dibromochloromethane	1.0	U	1.0		ug/L			09/06/11 16:46	
hloroethane	33		1.0		ug/L			09/06/11 16:46	
Chloroform	42		1.0	0.34	-			09/06/11 16:46	
Chloromethane	1.0	U	1.0	0.35	•			09/06/11 16:46	
is-1,2-Dichloroethene	1.4	=	1.0		ug/L			09/06/11 16:46	
is-1,2-Dichloropropene	1.0	U ·	1.0		ug/L			09/06/11 16:46	
Cyclohexane	1.0	U	1.0		ug/L			09/06/11 16:46	
organie Dichlorodifluoromethane	1.0	U	1.0		ug/L			09/06/11 16:46	
Ethylbenzene	1.0		1.0		ug/L			09/06/11 16:46	
·	1.0		1.0	0.74					
sopropylbenzene					ug/L			09/06/11 16:46	
Aethyl acetate	1.0		1.0		ug/L			09/06/11 16:46	
Aethyl tert-butyl ether	1.0		1.0		ug/L			09/06/11 16:46	
Methylcyclohexane	1.0	U	1.0		ug/L			09/06/11 16:46	
Methylene Chloride	12		1.0		ug/L			09/06/11 16:46	
tyrene	1.0		1.0		ug/L 		•	09/06/11 16:46	
etrachloroethene	0.47	J	1.0		ug/L			09/06/11 16:46	
oluene	1.7		1.0		ug/L			09/06/11 16:46	
ans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 16:46	
ans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 16:46	
richloroethene	3.1		1.0	0.46	ug/L			09/06/11 16:46	
richlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 16:46	
/inyl chloride	27		1.0	0.90	ug/L			09/06/11 16:46	<i>^.</i>
Kylenes, Total	0.77	J	2.0	0.66	ug/L			09/06/11 16:46	•

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW4DR-110901

)Collected: 09/01/11 06:49 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-1

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1,4-Dioxane	800		ug/L		9.98	123-91-1		09/06/11 16:46	1
Indan, 1-methyl-	3.5	JN	ug/L		14.68	767-58-8		09/06/11 16:46	1
Benzofuran, 7-methyl-	5.5	JN	ug/L		14.97	17059-52-8		09/06/11 16:46	1
Naphthalene	0.67	J	ug/L		16.66	91-20-3		09/06/11 16:46	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 _ 137			-		09/06/11 16:46	1
Toluene-d8 (Surr)	90		71 - 126					09/06/11 16:46	1
4-Bromofluorobenzene (Surr)	82		73 - 120					09/06/11 16:46	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1-Trichloroethane	49	D	4.0	3.3	ug/L			09/07/11 14:48	
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			09/07/11 14:48	
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			09/07/11 14:48	
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			09/07/11 14:48	
1,1-Dichloroethane	230	D	4.0	1.5	ug/L			09/07/11 14:48	
1,1-Dichloroethene	130	D	4.0	1.2	ug/L			09/07/11 14:48	
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			09/07/11 14:48	
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			09/07/11 14:48	
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			09/07/11 14:48	
Dichlorobenzene	4.0	U	4.0	3.2	ug/L			09/07/11 14:48	
,z-Dichloroethane	54	D	4.0	0.84	ug/L			09/07/11 14:48	
1,2-Dichloropropane	6.4	D	4.0	2.9	ug/L			09/07/11 14:48	
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			09/07/11 14:48	
1,4-Dichlorobenzene	4.0	U	4.0	3.4	ug/L			09/07/11 14:48	
2-Hexanone	20	U	20	5.0	ug/L			09/07/11 14:48	
2-Butanone (MEK)	40	U	40	5.3	ug/L			09/07/11 14:48	
4-Methyl-2-pentanone (MiBK)	20	U	20	8.4	ug/L			09/07/11 14:48	
Acetone	40	U	40	12	ug/L			09/07/11 14:48	
Benzene	4.1	D	4.0	1.6	ug/L			09/07/11 14:48	
Bromodichloromethane	4.0	U	4.0	1.6	ug/L			09/07/11 14:48	
Bromoform	4.0	U	4.0	1.0	ug/L			09/07/11 14:48	
Bromomethane	4.0	U	4.0	2.8	ug/L			09/07/11 14:48	
Carbon disulfide	4.0	U	4.0	0.76	ug/L			09/07/11 14:48	
Carbon tetrachloride	4.0	υ	4.0	1.1	ug/L			09/07/11 14:48	
Chlorobenzene	48	D	4.0	3.0	ug/L			09/07/11 14:48	
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			09/07/11 14:48	
Chloroethane	35	D	4.0	1.3	ug/L			09/07/11 14:48	
Chloroform	46	D	4.0	1.4	ug/L			09/07/11 14:48	
Chloromethane	4.0	U	4.0	1.4	ug/L			09/07/11 14:48	
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			09/07/11 14:48	
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L		•	09/07/11 14:48	
Cyclohexane	4.0	U	4.0	0.72	ug/L			09/07/11 14:48	
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			09/07/11 14:48	
Ethylbenzene	4.0	U	4.0	3.0	ug/L			09/07/11 14:48	
Isopropylbenzene	4.0	U	4.0		ug/L			09/07/11 14:48	
thyl acetate	4.0	U	4.0		ug/L			09/07/11 14:48	
thyl tert-butyl ether	4.0	U	4.0		ug/L			09/07/11 14:48	
Methylcyclohexane		U	4.0		ug/L			09/07/11 14:48	
Methylene Chloride	14	-	4.0		ug/L			09/07/11 14:48	

TestAmerica Buffalo 09/10/2011

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Date Collected: 09/01/11 06:49 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-4.

Matrix: W

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.0	U	4.0	2.9	ug/L			09/07/11 14:48	4
Tetrachloroethene		U	4.0	1.4	ug/L	• • • • • • •		09/07/11 14:48	4
Toluene	2.0	JD	4.0	2.0	ug/L			09/07/11 14:48	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			09/07/11 14:48	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			09/07/11 14:48	4
Trichloroethene	4.2	D	4.0	1.8	ug/L			09/07/11 14:48	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			09/07/11 14:48	4
Vinyl chloride	29	D	4.0	3.6	ug/L			09/07/11 14:48	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			09/07/11 14:48	4
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L	<u> </u>				09/07/11 14:48	4
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	D	66 - 137			-		09/07/11 14:48	4
Toluene-d8 (Surr)	90	D	71 - 126					09/07/11 14:48	4
4-Bromofluorobenzene (Surr)	80	D	73 - 120					09/07/11 14:48	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.4	U	5.4	0.71	ug/L		09/07/11 06:00	09/08/11 15:41	.1
bis (2-chloroisopropyl) ether	5.4	U	5.4	0.57	ug/L		09/07/11 06:00	09/08/11 15:41	(3)
2,4,5-Trichlorophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 15:41	S.
2,4,6-Trichlorophenol	5.4	U	5.4	0.66	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dichlorophenol	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dimethylphenol	5.4	U	5.4	0.54	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dinitrophenol	· 11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dinitrotoluene	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,6-Dinitrotoluene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Chloronaphthalene	5.4	Ü	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Chlorophenol	5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Methylnaphthalene	5.4	U	5.4	0.65	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Methylphenol	5.4	Ü	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Nitroaniline	11	U	11	0.46	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Nitrophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 15:41	1
3,3'-Dichlorobenzidine	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
3-Nitroaniline	11	U	11	0.52	ug/L		09/07/11 06:00	09/08/11 15:41	1
4,6-Dinitro-2-methylphenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Bromophenyl phenyl ether	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Chloro-3-methylphenol	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Chloroaniline	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Chlorophenyl phenyl ether	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Methylphenol	11	U	11	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Nitroaniline	11	U	11	0.27	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 15:41	1
Acenaphthene	32		5.4	0.45	ug/L		09/07/11 06:00	09/08/11 15:41	1
Acenaphthylene	5.4	U	5.4	0.41	ug/L		09/07/11 06:00	09/08/11 15:41	1
Acetophenone	5.4	υ	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 15:41	1.
Anthracene	0.47	J	5.4	0.30	ug/L		09/07/11 06:00	09/08/11 15:41	
Atrazine	5.4	U *	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 15:41	1
Benzaldehyde	5.4	U	5.4	0.29	ug/L		09/07/11 06:00	09/08/11 15:41	1

TestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW4DR-110901

Collected: 09/01/11 06:49
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-1

Analyte		Qualifier		RL	MDL	Unit		Prepared	Analyzed	Dil Fac
Benzo(a)anthracene	5.4	U		5.4	. 0.39	ug/L		09/07/11 06:00	09/08/11 15:41	•
Benzo(a)pyrene	5.4	U		5.4	0.51	ug/L		09/07/11 06:00	09/08/11 15:41	•
Benzo(b)fluoranthene	5.4	U		5.4	0.37	ug/L		09/07/11 06:00	09/08/11 15:41	•
Benzo(g,h,i)perylene	5.4	U		5.4	0.38	ug/L		09/07/11 06:00	09/08/11 15:41	•
Benzo(k)fluoranthene	5.4	U		5.4	0.79	ug/L		09/07/11 06:00	09/08/11 15:41	•
Bis(2-chloroethoxy)methane	5.4	U		5.4	0.38	ug/L		09/07/11 06:00	09/08/11 15:41	
Bis(2-chloroethyl)ether	1.5	J		5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	•
3is(2-ethylhexyl) phthalate	2.1	J		5.4	2.0	ug/L		09/07/11 06:00	09/08/11 15:41	•
Butyl benzyl phthalate	5.4	U		5.4	0.46	ug/L		09/07/11 06:00	09/08/11 15:41	• • • •
Caprolactam	5.4	U		5.4	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	
Carbazole	11			5.4	0.33	ug/L		09/07/11 06:00	09/08/11 15:41	•
Chrysene	5.4	U		5.4	0.36	ug/L		09/07/11 06:00	09/08/11 15:41	•
Di-n-butyl phthalate	0.60	J		5.4	0.34	ug/L		09/07/11 06:00	09/08/11 15:41	•
Di-n-octyl phthalate	5.4	U		5.4	0.51	ug/L		09/07/11 06:00	09/08/11 15:41	
Dibenz(a,h)anthracene	5.4	U		5.4	0.46	ug/L		09/07/11 06:00	09/08/11 15:41	
Dibenzofuran	9.1	J		11	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	
Diethyl phthalate	5.4	U		5.4	0.24	ug/L		09/07/11 06:00	09/08/11 15:41	
Dimethyl phthalate	5.4	U		5.4	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	
Fluoranthene	5.4	U		5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	
Fluorene	9.6			5.4	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	
achlorobenzene	5.4	U		5.4	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	
xachlorobutadiene	5.4	U		5.4	0.74	ug/L		09/07/11 06:00	09/08/11 15:41	
Hexachlorocyclopentadiene	5.4	U		5.4	0.64	ug/L		09/07/11 06:00	09/08/11 15:41	
Hexachloroethane	5.4			5.4	0.64	ug/L		09/07/11 06:00	09/08/11 15:41	
ndeno(1,2,3-cd)pyrene	5.4			5.4	0.51	ug/L		09/07/11 06:00	09/08/11 15:41	
sophorane	5.4			5.4		ug/L		09/07/11 06:00	09/08/11 15:41	
N-Nitrosodi-n-propylamine	5.4			5.4		ug/L		09/07/11 06:00	09/08/11 15:41	
N-Nitrosodiphenylamine	5.4			5.4		ug/L		09/07/11 06:00	09/08/11 15:41	
Naphthalene	1.0			5.4		ug/L		09/07/11 06:00	09/08/11 15:41	
Nitrobenzene	5.4			5.4		ug/L		09/07/11 06:00	09/08/11 15:41	
	5.1			11	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	
Pentachlorophenol				5.4		-		09/07/11 06:00	09/08/11 15:41	
Phenanthrene Phenol	3.9 5.4	J		5.4					09/08/11 15:41	
Pyrene	5.4			5.4		ug/L ug/L		09/07/11 06:00	09/08/11 15:41	
yiene	5,4	U		J.4	0.57	ugr		09/07/11 06:00	09/00/11 13.41	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No	Prepared	Analyzed	Dil Fac
Benzene, chloro-	23	J N	ug/L		3	.73	108-90-	09/07/11 06:00	09/08/11 15:41	-
Unknown	9.8	J	ug/L		7	.26		09/07/11 06:00	09/08/11 15:41	
Urea, tetraethyl-	34	JN	ug/L		7	.68	1187-3-	7 09/07/11 06:00	09/08/11 15:41	
Unknown	7.5	J	ug/L		8	.66		09/07/11 06:00	09/08/11 15:41	
Benzenesulfonamide, 4-methyl-	5.9	J N	ug/L		10	.90	70-55-3	09/07/11 06:00	09/08/11 15:41	
Unknown	29	J	ug/L		12	.81		09/07/11 06:00	09/08/11 15:41	
Octadecanoic acid	7.2	J N	ug/L		12	.89	57-11-	09/07/11 06:00	09/08/11 15:41	
Hexadecanoic acid, butyl ester	50	J N	ug/L		12	.97	111-6-8	3 09/07/11 06:00	09/08/11 15:41	
Unknown	13		ug/L			.33	-	09/07/11 06:00	09/08/11 15:41	
Unknown	43		ug/L			.59		09/07/11 06:00	09/08/11 15:41	
'aknown	14		ug/L			.64		09/07/11 06:00	09/08/11 15:41	
lnown	7.0		ug/L			.91		09/07/11 06:00	09/08/11 15:41	
Unknown	23		ug/L			.10		09/07/11 06:00	09/08/11 15:41	
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Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Date Collected: 09/01/11 06:49 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-1

Matrix: W

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	37	J	ug/L		14.37		09/07/11 06:00	09/08/11 15:41	1
Unknown	6.4	J	ug/L		14.65		09/07/11 06:00	09/08/11 15:41	1
Unknown	25	J	ug/L		14.84		09/07/11 06:00	09/08/11 15:41	1
Unknown	7.0	J	ug/L		15.47		09/07/11 06:00	09/08/11 15:41	1
Unknown	31	J	ug/L		15.70		09/07/11 06:00	09/08/11 15:41	1
Unknown	6.5	J	ug/L		16.52		09/07/11 06:00	09/08/11 15:41	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	129		52 - 132				09/07/11 06:00	09/08/11 15:41	1
2-Fluorobiphenyl	100		48 - 120				09/07/11 06:00	09/08/11 15:41	1
2-Fluorophenal	51		20 - 120				09/07/11 06:00	09/08/11 15:41	1
Nitrobenzene-d5	88		46 - 120			************	09/07/11 06:00	09/08/11 15:41	1
p-Terphenyl-d14	92		24 - 136				09/07/11 06:00	09/08/11 15:41	1
Phenol-d5	37		16 - 120				09/07/11 06:00	09/08/11 15:41	1
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL		MDL U	nit D	Prepared	Analyzed	Dil Fac
Lead	0,0050	Ū	0.0050		0.0030 m	g/L	09/07/11 08:30	09/07/11 17:25	1

Client Sample ID: MW8D-110901

Date Collected: 09/01/11 08:15

Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-2

Matrix: W

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U =	1.0	0.82	ug/L			09/06/11 17:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 17:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 17:11	1
1,1-Dichloroethane	9.5		1.0	0.38	ug/L			09/06/11 17:11	1
1,1-Dichloroethene	3.5		1.0	0.29	ug/L		•	09/06/11 17:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 17:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 17:11	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 17:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:11	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:11	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 17:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 17:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 17:11	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 17:11	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 17:11	1
4-Methyl-2-pentanone (MIBK)	5.0	υ	5.0	2.1	ug/L			09/06/11 17:11	1
Acetone	10		10	3.0	ug/L			09/06/11 17:11	1
Benzene	0.55	J	1.0	0.41	ug/L			09/06/11 17:11	1
Bromodichloromethane	3.4		1.0	0.39	ug/L			09/06/11 17:11	1
Bromaform	1.0	U	1.0	0.26	ug/L			09/06/11 17:11	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 17:11	(1 m ±2) √ (1 m ± 1)
Carbon disulfide	2.2		1.0	0.19	ug/L			09/06/11 17:11	``1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 17:11	1

TestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW8D-110901

Collected: 09/01/11 08:15
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-2

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chlorobenzene	1.6		1.0	0.75	ug/L			09/06/11 17:11	
Dibromochloromethane	1.3		1.0	0.32	ug/L			09/06/11 17:11	
Chloroethane	3.8		1.0	0.32	ug/L			09/06/11 17:11	
Chloroform	14		1.0	0.34	ug/L			09/06/11 17:11	
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 17:11	
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 17:11	
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 17:11	
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 17:11	
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 17:11	
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 17:11	
sopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:11	
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 17:11	
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 17:11	
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 17:11	
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 17:11	
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 17:11	
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 17:11	
Toluene	0.72	J	1.0	0.51	ug/L			09/06/11 17:11	
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 17:11	
rans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 17:11	
hloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 17:11	
ichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 17:11	
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 17:11	
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 17:11	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Unknown	2.7	J	ug/L	8	3.25			09/06/11 17:11	
1,4-Dioxane	190		ug/L	S	98.	123-91-1		09/06/11 17:11	
Acenaphthene	3.1	JN	ug/L	15	5.34	83-32-9		09/06/11 17:11	
Naphthalene	2.3		ug/L	16	5.67	91-20-3		09/06/11 17:11	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	97		66 - 137			•		09/06/11 17:11	
Toluene-d8 (Surr)	90		71 - 126					09/06/11 17:11	
4-Bromofluorobenzene (Surr)	80		73 - 120					09/06/11 17:11	

Analyte	Result	Qualifier	RĹ	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.8	U -	5.8	0.76	ug/L		09/07/11 06:00	09/08/11 16:04	1
bis (2-chloroisopropyl) ether	5.8	U	5.8	0.60	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4,5-Trichlorophenol	5.8	U	5.8	0.56	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4,6-Trichlorophenol	5.8	U	5.8	0.71	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dichlorophenol	5.8	υ	5.8	0.59	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dimethylphenol	5.8	υ	5.8	0.58	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dinitrophenol	12	U	12	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dinitrotoluene	5.8	U	5.8	0.52	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,6-Dinitrotoluene	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	1
hloronaphthalene	5.8	U	5.8	0.53	ug/L		09/07/11 06:00	09/08/11 16:04	1
hlorophenol	5.8	U	5.8	0.62	ug/L		09/07/11 06:00	09/08/11 16:04	1
2-Methylnaphthalene	5.8	U	5.8	0.70	ug/L		09/07/11 06:00	09/08/11 16:04	1
2-Methylphenol	5.8	U	5.8	0.47	ug/L	•	09/07/11 06:00	09/08/11 16:04	. 1

TestAmerica Buffalo 09/10/2011

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW8D-110901

Date Collected: 09/01/11 08:15 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-2

Matrix: W

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Nitroaniline	12	U	12	0.49	ug/L		09/07/11 06:00	09/08/11 16:04	********
Nitraphenol	5.8	U	5.8	0.56	ug/L		09/07/11 06:00	09/08/11 16:04	
3'-Dichlorobenzidine	5.8	U	5.B	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	
Nitroaniline	12	U	12	0.56	ug/L		09/07/11 06:00	09/08/11 16:04	
6-Dinitro-2-methylphenol	12	υ	12	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	
Bromophenyl phenyl ether	5.8	U	5.8	0.52	ug/L		09/07/11 06:00	09/08/11 16:04	
Chloro-3-methylphenol	5.8	υ	5.8	0.52	ug/L		09/07/11 06:00	09/08/11 16:04	
-Chloroaniline	5.8	U	5.8	0.69	ug/L		09/07/11 06:00	09/08/11 16:04	
Chlorophenyl phenyl ether	5.8	บ	5.8	0.41	ug/L		09/07/11 06:00	09/08/11 16:04	
Methylphenol	12	U	12	0.42	ug/L		09/07/11 06:00	09/08/11 16:04	
Nitroaniline	12	U	12	0.29	ug/L		09/07/11 06:00	09/08/11 16:04	
Nitrophenol	12	U	12	1.8	ug/L		09/07/11 06:00	09/08/11 16:04	
cenaphthene	1.5	J	5.8	0.48	ug/L		09/07/11 06:00	09/08/11 16:04	
cenaphthylene	5.8	U	5.8	0.44	ug/L		09/07/11 06:00	09/08/11 16:04	
cetophenone	5.8	U	5.8	0.63	ug/L		09/07/11 06:00	09/08/11 16:04	
nthracene	5.8	U	5.8	0.33	ug/L		09/07/11 06:00	09/08/11 16:04	
trazine	5.8	U *	5.8	0.53	ug/L		09/07/11 06:00	09/08/11 16:04	
enzaldehyde	5.8	U	5.8	0.31	ug/L		09/07/11 06:00	09/08/11 16:04	
enzo(a)anthracene	5.8	U .	5.8	0.42	ug/L		09/07/11 06:00	09/08/11 16:04	
enzo(a)pyrene	5.8	υ	5.8	0.55	ug/L		09/07/11 06:00	09/08/11 16:04	
enzo(b)fluoranthene	5.8	U	5.8	0.40	ug/L		09/07/11 06:00	09/08/11 16:04	1
enzo(g,h,i)perylene	5.8	U	5.8	0.41	ug/L		09/07/11 06:00	09/08/11 16:04	V.3.
enzo(k)fluoranthene	5.8	U	5.8	0.85	ug/L		09/07/11 06:00	09/08/11 16:04	
is(2-chloroethoxy)methane	5.8	U	5.8	0.41	ug/L		09/07/11 06:00	09/08/11 16:04	
is(2-chloroethyl)ether	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	
is(2-ethylhexyl) phthalate	4.0	J	5.8	2.1	ug/L		09/07/11 06:00	09/08/11 16:04	
utyl benzyl phthalate	5.8	Ü	5.8	0.49	ug/L		09/07/11 06:00	09/08/11 16:04	
aprolactam	5.8	U	5.8	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	
arbazole	5.8	U	5.8	0.35	ug/L		09/07/11 06:00	09/08/11 16:04	
hrysene	5.8	U	5.8	0.38	ug/L		09/07/11 06:00	09/08/11 16:04	
i-n-butyl phthalate	. 0.63	J	5.8	0.36	ug/L		09/07/11 06:00	09/08/11 16:04	
i-n-octyl phthalate	5.8	U	5.8	0.55	-		09/07/11 06:00	09/08/11 16:04	
ibenz(a,h)anthracene	5.8	Ū	5.8	0.49	ug/L		09/07/11 06:00	09/08/11 16:04	
benzofuran	12		12	0.59	ug/L		09/07/11 06:00	09/08/11 16:04	
iethyl phthalate	1.6	J	5.8	0.26	ug/L		09/07/11 06:00	09/08/11 16:04	
imethyl phthalate		U	5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
uoranthene	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
iuorene	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
exachlorobenzene	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
exachlorobutadiene	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
exachlorocyclopentadiene	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
exachloroethane	5.8		5.8		ug/L		09/07/11 06:00		
deno(1,2,3-cd)pyrene	5.8		5.8		ug/L ug/L			09/08/11 16:04	
* * * * * * * * * * * * * * * * * * * *	5.8		5.8		-		09/07/11 06:00	09/08/11 16:04	
ophorone Mitrosodi a propulamine				0.50	ug/L		09/07/11 06:00	09/08/11 16:04	
-Nitrosodi-n-propylamine	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
-Nitrosodiphenylamine	0.61		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	
aphthalene	3.0		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	<i>i</i> .
trobenzene	5.8		5.8		ug/L		09/07/11 06:00	09/08/11 16:04	• • • • • • • • • • • • • • • • • • • •
entachlorophenol	12	U	12	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	

TestAmerica Buffalo 09/10/2011

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cient Sample ID: MW8D-110901

Collected: 09/01/11 08:15 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-2

Matrix: Water

Analyte	Result	Qualifier	F	₹L	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	5.8	U	5	.8	0.45	ug/L		09/07/11 06:00	09/08/11 16:04	1
Pyrene	5.8	Ü	5	.8	0.40	ug/L		09/07/11 06:00	09/08/11 16:04	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12	J	ug/L		4	.48		09/07/11 06:00	09/08/11 16:04	1
Unknown	7.2	J	ug/L		11	.78		09/07/11 06:00	09/08/11 16:04	1
Unknown	37	J	ug/L		12	2.81		09/07/11 06:00	09/08/11 16:04	1
Hexadecanoic acid butyl ester		JN	ua/L			.97	111-6-8	09/07/11 06:00	09/08/11 16:04	

ı	Unknown	7.2	J	ug/L	11.78		09/07/11 06:00	09/08/11 16:04	1
	Unknown	37	J	ug/L	12.81		09/07/11 06:00	09/08/11 16:04	1
	Hexadecanoic acid, butyl ester	50	JN	ug/L	12.97	111-6-8	09/07/11 06:00	09/08/11 16:04	1
	Unknown	15	J	ug/L	13.33		09/07/11 06:00	09/08/11 16:04	1
	Octadecanoic acid, butyl ester	46	J N	ug/L	13.59	123-95-5	09/07/11 06:00	09/08/11 16:04	1
	Unknown	14	J	ug/L	13.64		09/07/11 06:00	09/08/11 16:04	1
	Unknown	7.4	J	ug/L	13.91		09/07/11 06:00	09/08/11 16:04	1
	Unknown	29	J	ug/L	14.10		09/07/11 06:00	09/08/11 16:04	1
	Unknown	26	J	ug/L	14.37		09/07/11 06:00	09/08/11 16:04	1
	Unknown	9.1	J	ug/L	14.65		09/07/11 06:00	09/08/11 16:04	1
Ì	Erucylamide	13	J N	ug/L	14.72	112-84-5	09/07/11 06:00	09/08/11 16:04	1
	Unknown	34	J	ug/L	14.84		09/07/11 06:00	09/08/11 16:04	1
	Unknown	6.8	J	ug/L	15.10		09/07/11 06:00	09/08/11 16:04	1
	Unknown	9.7	J	ug/L	15.47		09/07/11 06:00	09/08/11 16:04	1
-	Unknown	35	J	ug/L	15.70		09/07/11 06:00	09/08/11 16:04	1
	[™] C'snown	6.4	J	ug/L	16.48		09/07/11 06:00	09/08/11 16:04	1
٠	nown	8.9	J	ug/L	16.81		09/07/11 06:00	09/08/11 16:04	1
	Unknown :	24	J	ug/L	16.84		09/07/11 06:00	09/08/11 16:04	1
- 1									

Surrogate	% Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Jarrogate		-			
2,4,6-Tribromophenol	121	52 - 132	09/07/11 06:00	09/08/11 16:04	1
2-Fluorobiphenyl	95	48 - 120	09/07/11 06:00	09/08/11 16:04	1
2-Fluorophenol	54	20 - 120	09/07/11 06:00	09/08/11 16:04	1
Nitrobenzene-d5	88	46 - 120	09/07/11 06:00	09/08/11 16:04	1
p-Terphenyl-d14	102	24 - 136	09/07/11 06:00	09/08/11 16:04	1
Phenol-d5	39	16 - 120	09/07/11 06:00	09/08/11 16:04	1

Method: 6010B - Metals (ICP)						•			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0054		0.0050	0.0030	ma/L		09/07/11 08:30	09/07/11 17:28	1

Client Sample ID: MW5S-110901

Date Collected: 09/01/11 09:15 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-3

Analyte	Result	Qualifier	RL	MDL	Unit	Q	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 17:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 17:36	1
¹-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 17:36	1
Dichloroethene	1.0	υ	1.0	0.29	ug/L			09/06/11 17:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 17:36	1
1,2-Dibromo-3-Chloropropane	1.0	υ	1.0	0.39	ug/L			09/06/11 17:36	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-9354-3.

Matrix: W

Client Sample ID: MW5S-110901

Date Collected: 09/01/11 09:15 Date Received: 09/02/11 17:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L		•	09/06/11 17:36	
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:36	• • • • • • •
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:36	
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 17:36	
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 17:36	
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 17:36	
Z-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 17:36	
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 17:36	
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 17:36	
Acetone	10	U	10	3.0	ug/L			09/06/11 17:36	
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 17:36	
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 17:36	
Bromoform	1.0	U	1.0		ug/L			09/06/11 17:36	
Bromomethane	1.0	U	1.0		ug/L			09/06/11 17:36	
Carbon disulfide	1.0	U	1.0		ug/L			09/06/11 17:36	
Carbon tetrachloride	1.0	U	1.0		ug/L			09/06/11 17:36	
Chlorobenzene	1.0	U	1.0		ug/L			09/06/11 17:36	
Dibromochloromethane	1.0	U	1.0		ug/L			09/06/11 17:36	
Chloroethane	1.0	U	1.0		ug/L			09/06/11 17:36	
Chloroform	1.0	Ü	1.0		ug/L			09/06/11 17:36	
Chloromethane	1.0	U	1.0		ug/L			09/06/11 17:36	7.13
cis-1,2-Dichloroethene	1.0	U	1.0		ug/L			09/06/11 17:36	fige Fige
cis-1,3-Dichloropropene	1.0		1.0		ug/L			09/06/11 17:36	
Cyclohexane	1.0		1.0		ug/L			09/06/11 17:36	
Dichlorodifluoromethane	1.0		1.0		ug/L			09/06/11 17:36	
Ethylbenzene	1.0		1.0		ug/L			09/06/11 17:36	
Isopropylbenzene	1.0		1.0		ug/L			09/06/11 17:36	
Methyl acetate	1.0		1.0		ug/L			09/06/11 17:36	
Methyl tert-butyl ether	1.0	U	1.0		ug/L			09/06/11 17:36	
•	1.0	U	1.0		ug/L			09/06/11 17:36	
Methylogo Chlorido	1.0	U	1.0		ug/L			09/06/11 17:36	
Methylene Chloride	1.0	U	1.0		ug/L			09/06/11 17:36	
Styrene Tetrachloroethene	1.0	U	1.0		-			09/06/11 17:36	
		-			ug/L				
Toluene	1.0	U	1.0		ug/L			09/06/11 17:36	
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			09/06/11 17:36	
trans-1,3-Dichloropropene	1.0		1.0		ug/L			09/06/11 17:36	
Trichloroethene	1.0		1.0		ug/L			09/06/11 17:36	
Trichlorofluoromethane	1.0		1.0		ug/L			09/06/11 17:36	
Vinyl chloride	1.0		1.0		ug/L			09/06/11 17:36	
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 17:36	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Tentatively Identified Compound	None		ug/L					09/06/11 17:36	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	101		66 - 137			_		09/06/11 17:36	
Toluene-d8 (Surr)	93		71 - 126					09/06/11 17:36	
4-Bromofluorobenzene (Surr)	84		73 - 120					09/06/11 17:36	!

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW5S-110901

Collected: 09/01/11 09:15
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii
Biphenyl	5.0		5.0	0.65	ug/L		09/07/11 06:00	09/08/11 16:28	
pis (2-chloroisopropyl) ether	5.0	υ	5.0	0.52	ug/L		09/07/11 06:00	09/08/11 16:28	
7,4,5-Trichlorophenol	5.0	υ	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 16:28	
.,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		09/07/11 06:00	09/08/11 16:28	
4,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	
4,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		09/07/11 06:00	09/08/11 16:28	
,4-Dinitrophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	
,4-Dinitrotoluene	5.0	υ	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 16:28	
,6-Dinitrotoluene	5.0	υ	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	
-Chloronaphthalene	5.0	. U	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 16:28	
-Chlorophenol	5.0	U	5.0	0.53	ug/L		09/07/11 06:00	09/08/11 16:28	
-Methylnaphthalene	5.0	υ	5.0	0.60	-		09/07/11 06:00	09/08/11 16:28	
-Methylphenol	5.0		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
-Nitroaniline	10		10		ug/L		09/07/11 06:00	09/08/11 16:28	
-Nitrophenol	5.0		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
3'-Dichlorobenzidine	5.0		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
-Nitroaniline	10		10	0.48	ug/L		09/07/11 06:00	09/08/11 16:28	
6-Dinitro-2-methylphenol	10		10	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	
Bromophenyl phenyl ether	5.0		5.0	0.45	ug/L		09/07/11 06:00	09/08/11 16:28	
-Chloro-3-methylphenol	5.0		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
hloroaniline	5.0		5.0	0.59	ug/L		09/07/11 06:00	09/08/11 16:28	
Chlorophenyl phenyl ether	5.0	_	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 16:28	
Methylphenol	10		10	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	
Nitroaniline	10		10	0.30	ug/L ug/L		09/07/11 06:00	09/08/11 16:28	
Nitrophenol	10		10	1.5	_		09/07/11 06:00	09/08/11 16:28	
•					ug/L				
cenaphthene	5.0		5.0	0.41	•		09/07/11 06:00	09/08/11 16:28	
cenaphthylene	5.0		5.0	0.38	ug/L		09/07/11 06:00	09/08/11 16:28	
cetophenone	5.0		5.0	0.54	ug/L		09/07/11 06:00	09/08/11 16:28	
nthracene	5.0		5.0	0.28	ug/L		09/07/11 06:00	09/08/11 16:28	
razine	5.0		5.0	0.46	ug/L		09/07/11 06:00	09/08/11 16:28	
enzaldehyde	5.0		5.0	0.27	ug/L		09/07/11 06:00	09/08/11 16:28	
enzo(a)anthracene	0.61	J	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	
enzo(a)pyrene	0.54	J	5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
enzo(b)fluoranthene	0.54	J	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 16:28	
enzo(g,h,i)perylene	0.38	J	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 16:28	
enzo(k)fluoranthene	5.0	. U	5.0	0.73	ug/L		09/07/11 06:00	09/08/11 16:28	
s(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 16:28	
s(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	
s(2-ethylhexyl) phthalate	2.8	J	5.0	1.8	ug/L		09/07/11 06:00	09/08/11 16:28	
ıtyl benzyl phthalate	5.0	U	5.0	0.42	ug/L		09/07/11 06:00	09/08/11 16:28	
aprolactam	5.0	U	5.0	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	
arbazole	5.0	U	5.0	0.30	ug/L		09/07/11 06:00	09/08/11 16:28	
hrysene	0.68	J	5.0	0.33	ug/L		09/07/11 06:00	09/08/11 16:28	
-n-butyl phthalate	5.0	U .	5.0	0.31	ug/L		09/07/11 06:00	09/08/11 16:28	
-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 16:28	
benz(a,h)anthracene	5.0		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
.`enzofuran	10		10		ug/L		09/07/11 06:00	09/08/11 16:28	
thyl phthalate	1.5		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
methyl phthalate	5.0		5.0		ug/L		09/07/11 06:00	09/08/11 16:28	
uoranthene	0.74		5.0		ug/L ug/L		09/07/11 06:00	09/08/11 16:28	

TestAmerica Buffalo 09/10/2011

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-9354-3.

Matrix: W

Client Sample ID: MW5S-110901

Date Collected: 09/01/11 09:15 Date Received: 09/02/11 17:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	
Hexachlorobenzene	5.0	Ū	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 16:28	1
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 16:28	1
Isophorone	5.0	U	5.0	0.43	ug/L		09/07/11 06:00	09/08/11 16:28	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		09/07/11 06:00	09/08/11 16:28	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/07/11 06:00	09/08/11 16:28	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		09/07/11 06:00	09/08/11 16:28	1
Pentachlorophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/07/11 06:00	09/08/11 16:28	1
Phenol	5.0	U	5.0	0.39	ug/L		09/07/11 06:00	09/08/11 16:28	1
Pyrene	1.2	1	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 16:28	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Urea, triethyl-	7.1	J N	ug/L	- 	7.65	19006-59-8	09/07/11 06:00	09/08/11 16:28	
Unknown	4.0	J	ug/L	11	.78		09/07/11 06:00	09/08/11 16:28	1
Unknown	25	J	ug/L	12	2.81		09/07/11 06:00	09/08/11 16:28	7
Unknown	14	J	ug/L	13	3.33		09/07/11 06:00	09/08/11 16:28	7.74
Unknown	35	J	ug/L	13	3.64		09/07/11 06:00	09/08/11 16:28	
Unknown ~	7.3	J	ug/L	13	3.91		09/07/11 06:00	09/08/11 16:28	`-1
Unknown	29	J	ug/L	14	1.10		09/07/11 06:00	09/08/11 16:28	1
Unknown	23	J	ug/L	14	1.37		09/07/11 06:00	09/08/11 16:28	1
Unknown	9.4	J	ug/L	14	.65		09/07/11 06:00	09/08/11 16:28	1
Unknown	34	J	ug/L	14	1.84		09/07/11 06:00	09/08/11 16:28	1
Unknown	38	J	ug/L	14	1.88		09/07/11 06:00	09/08/11 16:28	1
Unknown	9.0	J	ug/L	15	5.47		09/07/11 06:00	09/08/11 16:28	1
Unknown	. 34	J	ug/L	15	5.70		09/07/11 06:00	09/08/11 16:28	1
Unknown	4.8	J	ug/L	16	5.81		09/07/11 06:00	09/08/11 16:28	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2,4,6-Tribromophenol	117	-	52 - 132				09/07/11 06:00	09/08/11 16:28	- 1
2-Fluorobiphenyl	88		48 - 120				09/07/11 06:00	09/08/11 16:28	1
2-Fluorophenal	38		20 - 120				09/07/11 06:00	09/08/11 16:28	1
Nitrobenzene-d5	71		46 - 120				09/07/11 06:00	09/08/11 16:28	
p-Terphenyl-d14	94		24 - 136				09/07/11 06:00	09/08/11 16:28	1
Phenol-d5	28		16 - 120				09/07/11 06:00	09/08/11 16:28	1
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Lead	0.067		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:30	-

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW3D-110901

Collected: 09/01/11 12:33
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-4

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
1,1-Trichloroethane	31		1.0	0.82	ug/L			09/06/11 18:01	
1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 18:01	
,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 18:01	
,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 18:01	
1-Dichloroethane	150	E	1.0	0.38	ug/L			09/06/11 18:01	
1-Dichloroethene	65		1.0	0.29	ug/L			09/06/11 18:01	
, 2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 18:01	
2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 18:01	
2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 18:01	
,2-Dichlorobenzene	1.0	υ	1.0		ug/L		-	09/06/11 18:01	
,2-Dichloroethane	28		1.0		ug/L			09/06/11 18:01	
,2-Dichloropropane	1.4		1.0		ug/L			09/06/11 18:01	
3-Dichlorobenzene		ΰ	1.0	4	ug/L			09/06/11 18:01	
4-Dichlorobenzene		U	1.0	0.84	ug/L			09/06/11 18:01	
Hexanone		U	5.0		ug/L			09/06/11 18:01	
Butanone (MEK)	10		10	1.3	ug/L			09/06/11 18:01	
Methyl-2-pentanone (MIBK)	5.0		5.0	2.1	ug/L			09/06/11 18:01	
cetone	10		10	3.0	ug/L			09/06/11 18:01	
enzene		U	1.0	0.41	-			09/06/11 18:01	
		U	1.0		ug/L			09/06/11 18:01	
romodichloromethane	1.0			0.39	ug/L				
moform			1.0	0.26	ug/L			09/06/11 18:01 09/06/11 18:01	
omomethane	1.0		1.0		ug/L				
arbon disulfide		U	1.0		ug/L			09/06/11 18:01	
arbon tetrachloride		U	1.0	0.27	•			09/06/11 18:01	
hlorobenzene		U	1.0		ug/L			09/06/11 18:01	
ibromochloromethane	1.0	U	1.0		ug/L			09/06/11 18:01	
hloroethane	2.1		1.0		ug/L			09/06/11 18:01	
hioroform	1.0		1.0		ug/L			09/06/11 18:01	
hloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 18:01	
s-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L			09/06/11 18:01	
s-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 18:01	•
yclohexane	1.0	U	1.0	0.18	ug/L		-	09/06/11 18:01	
ichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 18:01	
thylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 18:01	
opropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 18:01	
ethyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 18:01	
ethyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 18:01	
ethylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 18:01	
ethylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 18:01	
tyrene	1.0	U	1.0		ug/L			09/06/11 18:01	
etrachloroethene	1.0		1.0		ug/L			09/06/11 18:01	
oluene	1.0		1.0		ug/L			09/06/11 18:01	
ans-1,2-Dichloroethene	1.0		1.0		ug/L			09/06/11 18:01	
ans-1,3-Dichloropropene	1.0		1.0		ug/L			09/06/11 18:01	
richloroethene	1.4	-	1.0		ug/L			09/06/11 18:01	
richlorofluoromethane	1.4	TI.	1.0		ug/L ug/L			09/06/11 18:01	
		J							
yl chloride Lenes, Total	28 2.0		1.0 2.0		ug/L ug/L			09/06/11 18:01 09/06/11 18:01	

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-9354-4

Matrix: W

Client Sample ID: MW3D-110901

Date Collected: 09/01/11 12:33 Date Received: 09/02/11 17:00

Tentatively Identified Compound	Est. Result		Unit	D		RT _	CAS No.	Prepared	Analyzed	Dil F
Inknown	3.4	J	ug/L		8	.23		****	09/06/11 18:01	
1,4-Dioxane	280		ug/L		9	.98	123-91-1		09/06/11 18:01	
Surrogate	% Recovery	Qualifier	Limits					Prepared	Analyzed	DII I
1,2-Dichloroethane-d4 (Surr)	100		66 - 137						09/06/11 18:01	
Foluene-d8 (Surr)	95		71 - 126						09/06/11 18:01	
1-Bromofluorobenzene (Surr)	85		73 - 120						09/06/11 18:01	
Method: 8260B - Volatile Organi	c Compounds (GC/MS) -	DL							
Analyte		Qualifier	RL		MDL		D	Prepared	Analyzed	Dil F
1,1,1-Trichloroethane	32	D	4.0		3.3	ug/L	_		09/07/11 15:14	
,1,2,2-Tetrachloroethane	4.0	U	4.0		0.84	ug/L			09/07/11 15:14	
,1,2-Trichloroethane	4.0	บ	4.0		0.92	ug/L			09/07/11 15:14	
,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0		1.2	ug/L			09/07/11 15:14	
I,1-Dichloroethane	160	D	4.0		1.5	ug/L			09/07/11 15:14	
1,1-Dichloroethene	67	D	4.0		1.2	ug/L			09/07/11 15:14	
,2,4-Trichlorobenzene	4.0	U	4.0		1.6	ug/L			09/07/11 15:14	
,2-Dibromo-3-Chloropropane	4.0	U	4.0		1.6	ug/L			09/07/11 15:14	
,2-Dibromoethane	4.0	U	4.0		2.9	ug/L			09/07/11 15:14	
,2-Dichlorobenzene	4.0	U	4.0		3.2	ug/L			09/07/11 15:14	
,2-Dichloroethane	30	Ð	4.0		0.84	ug/L			09/07/11 15:14	
,2-Dichloropropane	4.0	U	4.0		2.9	ug/L			09/07/11 15:14	p)
,3-Dichlorobenzene	4.0	Ü	4.0		3.1	ug/L			09/07/11 15:14	,
,4-Dichlorobenzène	4.0	U	4.0		3.4	ug/L			09/07/11 15:14	
-Hexanone	20	U	20		5.0	ug/L			09/07/11 15:14	
-Butanone (MEK)	40	Ü	40		5.3	ug/L			09/07/11 15:14	
-Methyl-2-pentanone (MIBK)	20	U	20		8.4	ug/L			09/07/11 15:14	
cetone	40	U	40		12	ug/L			09/07/11 15:14	
enzene	4.0	U .	4.0		1.6	ug/L			09/07/11 15:14	
iromodichloromethane	4.0	U	4.0		1.6	ug/L			09/07/11 15:14	
Iromoform	4.0	U	4.0		1.0	ug/L			09/07/11 15:14	
iromomethane	4.0	U	4.0		2.8	ug/L			09/07/11 15:14	
Carbon disulfide	4.0	U	4.0		0.76	ug/L			09/07/11 15:14	
arbon tetrachloride	4.0	U	4.0		1.1	ug/L			09/07/11 15:14	
hlorobenzene	4.0	U	4.0		3.0	ug/L			09/07/11 15:14	
ibromochloromethane	4.0	U	4.0			ug/L			09/07/11 15:14	
hloroethane	2.5	JD	4.0		1.3	ug/L			09/07/11 15:14	
hloraform	4.0	U .	4.0		1.4	ug/L			09/07/11 15:14	
hloromethane	4.0	U	4.0			ug/L			09/07/11 15:14	
is-1,2-Dichloroethene	4.0	u	4.0			ug/L			09/07/11 15:14	
is-1,3-Dichloropropene	4.0	U	4.0			ug/L			09/07/11 15:14	
yclohexane	4.0	U	4.0			ug/L			09/07/11 15:14	
ichlorodifluoromethane	4.0	U	4.0			ug/L			09/07/11 15:14	
thylbenzene	4.0	U	4.0			ug/L			09/07/11 15:14	
opropylbenzene	4.0	U	4.0			ug/L			09/07/11 15:14	
lethyl acetate	4.0		4.0			ug/L				
lethyl tert-butyl ether	4.0	υ	4.0		0.64				09/07/11 15:14	
	4.0		4.0						09/07/11 15:14	
lethylcyclohexane					0.64				09/07/11 15:14	<i>(</i> *.
lethylene Chloride	4.0		4.0			ug/L			09/07/11 15:14	}
ityrene	4.0	U	4.0		2.9	ug/L			09/07/11 15:14	

TestAmerica Buffalo 09/10/2011

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Collected: 09/01/11 12:33 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	4.0	Ü	4.0	2.0	ug/L			09/07/11 15:14	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			09/07/11 15:14	4
trans-1,3-Dichloropropene	4.0	U .	4.0	1.5	ug/L			09/07/11 15:14	4
Trichloroethene	2.1	JD	4.0	1.8	ug/L			09/07/11 15:14	4
Trichiorofluoromethane	4.0	U	4.0	3.5	ug/L			09/07/11 15:14	4
Vinyl chloride	29	D	4.0	3.6	ug/L			09/07/11 15:14	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			09/07/11 15:14	4
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/07/11 15:14	4
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102	D	66 - 137			•		09/07/11 15:14	4
Toluene-d8 (Surr)	94	D	71 - 126					09/07/11 15:14	4
4-Bromofluorobenzene (Sum)	84	D	73 - 120					09/07/11 15:14	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.2	Ū	5.2	0.68	ug/L		09/07/11 06:00	09/08/11 16:52	1
bis (2-chloroisopropyl) ether	5.2	U	5.2	0.54	ug/L		09/07/11 06:00	09/08/11 16:52	1
2.4,5-Trichlorophenol	5.2	U	5.2	0.50	ug/L		09/07/11 06:00	09/08/11 16:52	1
\$-Trichlorophenol	5.2	U	5.2	0.64	ug/L		09/07/11 06:00	09/08/11 16:52	1
z,4-Dichlarophenal	5.2	U	5.2	0.53	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dimethylphenol	5.2	U	5.2	0.52	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dinitrophenol	10	U	10	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dinitrotoluene	5.2	U	5.2	0.47	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,6-Dinitrotoluene	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Chloronaphthalene	5.2	U	5.2	0.48	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Chiorophenol	5.2	U	5.2	0.55	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Methylnaphthalene	5.2	U	5.2	0.63	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Methylphenol	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Nitroaniline	10	U	10	0.44	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Nitrophenol	5.2	U	5.2	0.50	ug/L		09/07/11 06:00	09/08/11 16:52	1
3,3'-Dichlorobenzidine	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
3-Nitroaniline	10	U	10	0.50	ug/L		09/07/11 06:00	09/08/11 16:52	1
4,6-Dinitro-2-methylphenol	10	U	10	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Bromophenyl phenyl ether	5.2	U	5.2	0.47	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Chloro-3-methylphenol	5.2	U	5.2	0.47	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Chloroaniline	5.2	U	5.2	0.61	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Chlorophenyl phenyl ether	5.2	U	5.2	0.36	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Methylphenol	10	U	10	0.38			09/07/11 06:00	09/08/11 16:52	1
4-Nitroaniline	10	U	10	0.26	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Nitrophenol	10		10	1.6	ug/L		09/07/11 06:00	09/08/11 16:52	1
Acenaphthene	2.7	J	5.2	0.43	ug/L		09/07/11 06:00	09/08/11 16:52	1
Acenaphthylene	5.2	U	5.2	0.40	ug/L		09/07/11 06:00	09/08/11 16:52	1
Acetophenone	5.2	U	5.2	0.56	-		09/07/11 06:00	09/08/11 16:52	1
Anthracene	5.2	U	5.2	0.29	ug/L		09/07/11 06:00	09/08/11 16:52	1
zine	5.2	υ *	5.2		ug/L		09/07/11 06:00	09/08/11 16:52	1
nzaldehyde	5.2		5.2		ug/L		09/07/11 06:00	09/08/11 16:52	1
Benzo(a)anthracene	5.2		5.2	0.38	_		09/07/11 06:00	09/08/11 16:52	1
Benzo(a)pyrene	5.2		5.2		ug/L		09/07/11 06:00	09/08/11 16:52	1

TestAmerica Buffalo

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Date Collected: 09/01/11 12:33 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-4

Matrix: W

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	 Analyzed 	Dil Fa
Benzo(b)fluoranthene	5.2	U	5.2	0.35	ug/L		09/07/11 06:00	09/08/11 16:52	
Benzo(g,h,i)perylene	5.2	U	5.2	0.36	ug/L	* * * * *	09/07/11 06:00	09/08/11 16:52	
Benzo(k)fluoranthene	5.2	U	5.2	0.76	ug/L		09/07/11 06:00	09/08/11 16:52	
Bis(2-chloroethoxy)methane	5.2	U	5.2	0.36	ug/L		09/07/11 06:00	09/08/11 16:52	
Bis(2-chloroethyl)ether	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	
Bis(2-ethylhexyl) phthalate	5.2	U	5.2	1.9	ug/L		09/07/11 06:00	09/08/11 16:52	
Butyl benzyl phthalate	5.2	U	5.2	0.44	ug/L		09/07/11 06:00	09/08/11 16:52	
Caprolactam	5.2	U	5.2	2.3			09/07/11 06:00	09/08/11 16:52	
Carbazole	1.7	J	5.2	0.31	•		09/07/11 06:00	09/08/11 16:52	
Chrysene	5.2	Ü	5.2	0.34			09/07/11 06:00	09/08/11 16:52	
Di-n-butyl phthalate	0.57		5.2		ug/L		09/07/11 06:00	09/08/11 16:52	
Di-n-octyl phthalate	5.2		5.2		ug/L		09/07/11 06:00	09/08/11 16:52	
Dibenz(a,h)anthracene	5.2		5.2		ug/L		09/07/11 06:00	09/08/11 16:52	
• •	1.3		10		ug/L		09/07/11 06:00	09/08/11 16:52	
Dibenzofuran	0.52		5.2		ug/L ug/L		09/07/11 06:00	09/08/11 16:52	
Diethyl phthalate	5.2		5.2		ug/L ug/L		09/07/11 06:00	09/08/11 16:52	
imethyl phthalate	5.2		5.2		ug/L ug/L				
luoranthene					•		09/07/11 06:00	09/08/11 16:52	
luorene	0.75		5.2	0.38	-		09/07/11 06:00	09/08/11 16:52	
exachlorobenzene	5.2		5.2		ug/L		09/07/11 06:00	09/08/11 16:52	
lexachlorobutadiene	5.2		5.2	0.71	-		09/07/11 06:00	09/08/11 16:52	
exachlorocyclopentadiene	5.2		5.2	0.61	-		09/07/11 06:00	09/08/11 16:52	()
exachloroethane	5.2	U	5.2	0.61	ug/L		09/07/11 06:00	09/08/11 16:52	٠.
ideno(1,2,3-cd)pyrene	5.2	U	5.2	0.49	ug/L		09/07/11 06:00	09/08/11 16:52	
ophorone	5.2	U	5.2	0.45	ug/L		09/07/11 06:00	09/08/11 16:52	
-Nitrosodi-n-propylamine	5.2	U	5.2	0.56	ug/L		09/07/11 06:00	09/08/11 16:52	
-Nitrosodiphenylamine	5.2	U	5.2	0.53	ug/L		09/07/11 06:00	09/08/11 16:52	
aphthalene	5.2	U	5.2	0.79	ug/L		09/07/11 06:00	09/08/11 16:52	
itrobenzene	5.2	U	5.2	0.30	ug/L		09/07/11 06:00	09/08/11 16:52	
entachlorophenol	10	U	10	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	
henanthrene	5.2	U	5.2	0.46	ug/L		09/07/11 06:00	09/08/11 16:52	
henol	5.2	U	5.2	0.41	ug/L		09/07/11 06:00	09/08/11 16:52	
yrene	5.2	u	5.2	0.35	ug/L		09/07/11 06:00	09/08/11 16:52	
entatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil F
Inknown	6.8	J	ug/L		5.40		09/07/11 06:00	09/08/11 16:52	
rea, tetraethyl-	770	J N	ug/L	7	7.69	1187-3-7	09/07/11 06:00	09/08/11 16:52	
4-Benzenediamine, N,N-dimethyl-	8.7	JN	ug/L	ε	3.95	99-98-9	09/07/11 06:00	09/08/11 16:52	
nknown	5.5	J	ug/L	g	.48		09/07/11 06:00	09/08/11 16:52	
nknown	5.5		ug/L		.08		09/07/11 06:00	09/08/11 16:52	
nknown	13		ug/L		.78		09/07/11 06:00	09/08/11 16:52	
nknown	35		ug/L		2.81		09/07/11 06:00	09/08/11 16:52	
nknown	15		ug/L		3.33		09/07/11 06:00	09/08/11 16:52	
	8.8		ug/L ug/L		3.54				
nknown							09/07/11 06:00	09/08/11 16:52	
nknown	31		ug/L		3.63		09/07/11 06:00	09/08/11 16:52	
nknown	7.4		ug/L "		3.91		09/07/11 06:00	09/08/11 16:52	
nknown	32		ug/L		1.10		09/07/11 06:00	09/08/11 16:52	
In known	10		ug/L		1.25		09/07/11 06:00	09/08/11 16:52	1
'nknown	24	J	ug/L	14	1.37		09/07/11 06:00	09/08/11 16:52	-(:
Inknown	8.6	J	ug/L	14	6.65		09/07/11 06:00	09/08/11 16:52	`
Inknown	38	J	ug/L	1.	1.84		09/07/11 06:00	09/08/11 16:52	

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-9354-4

Matrix: Water

ent Sample ID: MW3D-110901

Collected: 09/01/11 12:33 Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	62	J	ug/L		14.88		09/07/11 06:00	09/08/11 16:52	1
Unknown	12	J	ug/L		15.47		09/07/11 06:00	09/08/11 16:52	1
Unknown	33	J	ug/L		15.70		09/07/11 06:00	09/08/11 16:52	1
Unknown	35	J	ug/L		16.85		09/07/11 06:00	09/08/11 16:52	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	119		52 - 132	•			09/07/11 06:00	09/08/11 16:52	1
2-Fluorobiphenyl	102		48 - 120				09/07/11 06:00	09/08/11 16:52	1
2-Fluorophenol	51		20 - 120				09/07/11 06:00	09/08/11 16:52	1
Nitrobenzene-d5	92		46 - 120				09/07/11 06:00	09/08/11 16:52	1
p-Terphenyl-d14	90		24 - 136				09/07/11 06:00	09/08/11 16:52	1
Phenol-d5	38		16 - 120				09/07/11 06:00	09/08/11 16:52	1

RL

0.0050

Result Qualifier

0.0050 U

MDL Unit

0.0030 mg/L

Client Sample ID: MW9D-110902

Date Collected: 09/02/11 08:13

Method: 6010B - Metals (ICP)

Analyte

Lead

Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-5

Analyzed

09/07/11 17:32

Prepared

09/07/11 08:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	3.3	ug/L			09/06/11 18:27	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			09/06/11 18:27	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			09/06/11 18:27	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			09/06/11 18:27	4
1,1-Dichloroethane	4.0	U	4.0	1.5	ug/L			09/06/11 18:27	4
1,1-Dichloroethene	4.0	U	4.0	1.2	ug/L			09/06/11 18:27	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			09/06/11 18:27	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			09/06/11 18:27	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			09/06/11 18:27	4
1,2-Dichlorobenzene	4.0	U	4.0	3.2	ug/L			09/06/11 18:27	4
1,2-Dichloroethane	4.0	U	4.0	0.84	ug/L			09/06/11 18:27	4
1,2-Dichloropropane	4.0	U	4.0	2.9	ug/L			09/06/11 18:27	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			09/06/11 18:27	4
1,4-Dichlorobenzene	5.8		4.0	3.4	ug/L			09/06/11 18:27	4
2-Hexanone	20	U	20	5.0	ug/L			09/06/11 18:27	4
2-Butanone (MEK)	40	U	40	5.3	ug/L			09/06/11 18:27	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			09/06/11 18:27	4
Acetone	40	U	40	12	ug/L			09/06/11 18:27	4
Benzene	4.0	Ú	4.0	1.6	ug/L			09/06/11 18:27	4
Bromodichloromethane	3.5	J	4.0	1.6	ug/L			09/06/11 18:27	4
Bromoform	4.0	U	4.0	1.0	ug/L			09/06/11 18:27	4
Bromomethane	4.0	υ · · · · · · · · · · · · · · · · · · ·	4.0	2.8	ug/L			09/06/11 18:27	4
્રિય્bon disulfide	4.0	U	4.0	0.76	ug/L			09/06/11 18:27	4
bon tetrachloride	4.0	U	4.0	1.1	ug/L			09/06/11 18:27	4
Chlorobenzene	370		4.0	3.0	ug/L			09/06/11 18:27	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			09/06/11 18:27	4

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Date Collected: 09/02/11 08:13 Date Received: 09/02/11 17:00

1,2-Dichloroethane

1,2-Dichloropropane

1,3-Dichlorobenzene

1,4-Dichlorobenzene

Lab Sample ID: 480-9354-5.

Matrix: W

Analyte		Qualifier	RL_	MDL.	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Chloroethane	4.0	Ū	4.0	1.3	ug/L			09/06/11 18:27	4
Chloroform	190		4.0	1.4	ug/L			09/06/11 18:27	4
Chloromethane	4.0	U	4.0	1.4	ug/L			09/06/11 18:27	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			09/06/11 18:27	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			09/06/11 18:27	4
Cyclohexane	6.1		4.0	0.72	ug/L			09/06/11 18:27	4
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			09/06/11 18:27	4
Ethylbenzene	290		4.0	3.0	ug/L			09/06/11 18:27	4
Isopropylbenzene	52		4.0	3.2	ug/L			09/06/11 18:27	4
Methyl acetate	4.0	U	4.0	2.0	ug/L			09/06/11 18:27	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			09/06/11 18:27	4
Methylcyclohexane	16		4.0	0.64	ug/L			09/06/11 18:27	4
Methylene Chloride	54		4.0	1.8	ug/L			09/06/11 18:27	4
Styrene	4.0	U	4.0	2.9	ug/L			09/06/11 18:27	4
Tetrachloroethene	4.0	υ	4.0	1.4	ug/L			09/06/11 18:27	4
Toluene	25		4.0	2.0	-			09/06/11 18:27	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6				09/06/11 18:27	4
trans-1,3-Dichloropropene	4.0		4.0		ug/L			09/06/11 18:27	4
Trichloroethene	4.0	•	4.0		ug/L			09/06/11 18:27	4
Trichlorofluoromethane	4.0	Ü	4.0		ug/L			09/06/11 18:27	
		U	4.0		ug/L			09/06/11 18:27	- J
Vinyl chloride			8.0		-				
Xylenes, Total	1400	=	0.0	2.0	ug/L			09/06/11 18:27	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS Na.	Prepared	Analyzed	Dil Fac
Hexane	4.8	J	ug/L		7.77	110-54-3		09/06/11 18:27	4
1,4-Dioxane	140	J	ug/L	9	.98	123-91-1		09/06/11 18:27	4
Pentane, 1-chloro-	130	JN	ug/L	10	.43	543-59-9		09/06/11 18:27	4
N-Propylbenzene	17		ug/L	12	.92	103-65-1		09/06/11 18:27	4
Unknown	230	J	ug/L	13	3.78			09/06/11 18:27	4
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137				i	09/06/11 18:27	4
Toluene-d8 (Surr)	96		71 - 126					09/06/11 18:27	4
4-Bromofluorobenzene (Surr)	90		73 - 120					09/06/11 18:27	4
	_								
Method: 8260B - Volatile Organic (•			MADI		_			
Analyte		Qualifier			Unit	<u>D</u> .	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10		10		ug/L			09/08/11 12:45	10
1,1,2,2-Tetrachloroethane	10		10		ug/L			09/08/11 12:45	10
1,1,2-Trichloroethane	10		10		ug/L			09/08/11 12:45	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	3.1	ug/L			09/08/11 12:45	10
1,1-Dichloroethane	10	U	10	3.8	ug/L			09/08/11 12:45	10
1,1-Dichloroethene	10	U	10	2.9	ug/L			09/08/11 12:45	10
		11	10	4 1	ug/L			09/08/11 12:45	10
1,2,4-Trichlorobenzene	10	U	10		ug, L			00/00/11 12.45	. •
1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloropropane	10 10		10		ug/L			09/08/11 12:45	10
		U		3.9					

TestAmerica Buffalo

09/08/11 12:45

09/08/11 12:45

09/08/11 12:45

09/08/11 12:45

10

10

10

10

2.1 ug/L

7.2 ug/L

7.8 ug/L

8.4 ug/L

10 U

10 U

10 U

10 U

10

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW9D-110902

Collected: 09/02/11 08:13 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Anaiyzed	Dil Fac
2-Hexanone	50	U	50	12	ug/L			09/08/11 12:45	10
2-Butanone (MEK)	100	U	100	13	ug/L			09/08/11 12:45	10
4-Methyl-2-pentanone (MIBK)	50	U	50	21	ug/L			09/08/11 12:45	10
Acetone	100	U	100	30	ug/L			09/08/11 12:45	10
Benzene	10	U	10	4.1	ug/L			09/08/11 12:45	10
Bromodichloromethane	10	U	10	3.9	ug/L			09/08/11 12:45	10
Bromoform	10	U	10	2.6	ug/L			09/08/11 12:45	10
Bromomethane	10	U	10	6.9	ug/L			09/08/11 12:45	10
Carbon disulfide	10	U	10	1.9	ug/L			09/08/11 12:45	10
Carbon tetrachloride	10	U	10	2.7	ug/L			09/08/11 12:45	10
Chlorobenzene	380	D	10	7.5	ug/L			09/08/11 12:45	10
Dibromochloromethane	10	U	10	3.2	ug/L			09/08/11 12:45	10
Chloroethane	10	U	10	3.2	ug/L			09/08/11 12:45	10
Chloroform	210	D	10	3.4	ug/L			09/08/11 12:45	10
Chloromethane	10	υ	10	3.5	ug/L			09/08/11 12:45	10
cis-1,2-Dichloroethene	10	U	10	8.1	ug/L			09/08/11 12:45	10
cis-1,3-Dichloropropene	10	U	10	3.6	ug/L			09/08/11 12:45	10
Cyclohexane	5.6	JD	10	1.8	ug/L			09/08/11 12:45	10
Dichlorodifluoromethane	10	U	10	6.8	ug/L			09/08/11 12:45	10
Ethylbenzene	290	D	10	7.4	ug/L			09/08/11 12:45	10
propylbenzene	51		10	7.9	ug/L			09/08/11 12:45	10
athyl acetate		U	10	5.0	ug/L			09/08/11 12:45	10
Methyl tert-butyl ether	10		10	1.6	ug/L			09/08/11 12:45	
Methylcyclohexane	16		10	1.6	ug/L			09/08/11 12:45	10
Methylene Chloride		D	10	4.4	-			09/08/11 12:45	10
Styrene		U	10	7.3	-			09/08/11 12:45	10
Tetrachloroethene	10		10	3.6	ug/L			09/08/11 12:45	10
Toluene		D	10	5.1	_			09/08/11 12:45	10
trans-1,2-Dichloroethene		U	10	9.0	ug/L			09/08/11 12:45	10
trans-1,3-Dichloropropene	10		10	3.7	-			09/08/11 12:45	10
Trichloroethene		JD	10	4.6	ug/L			09/08/11 12:45	10
Trichlorofluoromethane		U	10	8.8	-			09/08/11 12:45	10
Vinyl chloride		U	10	9.0	ug/L ug/L			09/08/11 12:45	10
·			20		ug/L			09/08/11 12:45	10
Xylenes, Total	1400	ט	20	0.0	ug/L			09/00/11 12.43	
Tentatively Identified Compound	Est. Result	Qualifier	Unit D		RT	CAS No.	Prepared	Analyzed	Dil Fac
Pentane, 1-chloro-		DJN	ug/L	10	0.43	543-59-9		09/08/11 12:45	10
Pentane, 1,1"-oxybis-	210	DJN	ug/L	13	1.80	693-65-2		09/08/11 12:45	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)		D	66 - 137					09/08/11 12:45	10
Toluene-d8 (Surr)	95		71 - 126					09/08/11 12:45	10
4-Bromofluorobenzene (Surr)	92		73 - 120					09/08/11 12:45	10
-	72	2	700720					00/00/17 12:10	,
Method: 8270C - Semivolatile Org				140.			_		B.: -
Analyte		Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Biphenyl		U	5.6	0.73	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-chloroisopropyl) ether	5.6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	1
5-Trichlorophenol	5.6	U	5.6		ug/L		09/07/11 06:00	09/08/11 17:16	1
2,4,6-Trichlorophenol	5.6	U	5.6	0.69	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,4-Dichlorophenol	5.6	บ	5.6	0.57	ug/L		09/07/11 06:00	09/08/11 17:16	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Lab Sample ID: 480-9354-5,

TestAmerica Job ID: 480-9354-1

Matrix: W

Client Sample ID: MW9D-110902

Date Collected: 09/02/11 08:13 Date Received: 09/02/11 17:00

Analyte	Result	Qualifier	RL	MDL	Unit	ם	Prepared	Analyzed	Dil Fa
2,4-Dimethylphenol	0.95	J	5.6	0.56	ug/L		09/07/11 06:00	09/08/11 17:16	
2,4-Dinitrophenol	11	U	11	2.5	ug/L	•	09/07/11 06:00	09/08/11 17:16	
2,4-Dinitrotoluene	5.6	U	5.6	0.50	ug/L		09/07/11 06:00	09/08/11 17:16	
2,6-Dinitrotoluene	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	
2-Chioronaphthalene	5.6	บ	5.6	0.52	ug/L		09/07/11 06:00	09/08/11 17:16	
2-Chlorophenol	5.6	υ	5.6	0.60	ug/L		09/07/11 06:00	09/08/11 17:16	
2-Methylnaphthalene	5.6	U	5.6	0.67	ug/L		09/07/11 06:00	09/08/11 17:16	
2-Methylphenol	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	
2-Nitroaniline	11	U	11	0.47	ug/L		09/07/11 06:00	09/08/11 17:16	
2-Nitrophenol	5.6	U	5.6	0.54	ug/L		09/07/11 06:00	09/08/11 17:16	
3,3'-Dichlorobenzidine	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	
3-Nitroaniline	11	U	11	0.54	ug/L		09/07/11 06:00	09/08/11 17:16	
4,6-Dinitro-2-methylphenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 17:16	
4-Bromophenyl phenyl ether	5.6	U	5.6	0.51	ug/L		09/07/11 06:00	09/08/11 17:16	
4-Chloro-3-methylphenol	5.6		5.6	0.51	ug/L		09/07/11 06:00	09/08/11 17:16	
4-Chloroaniline	5.6		5.6		-		09/07/11 06:00	09/08/11 17:16	
4-Chlorophenyl phenyl ether	5,6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
4-Methylphenol	11		11		ug/L		09/07/11 06:00	09/08/11 17:16	
4-Nitroaniline	11	U	11	0.28	ug/L		09/07/11 06:00	09/08/11 17:16	
4-Nitrophenol	11	U	11		ug/L	•	09/07/11 06:00	09/08/11 17:16	
Acenaphthene	0.60	_	5.6	0.46	ug/L		09/07/11 06:00	09/08/11 17:16	, r
Acenaphthylene	5.6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	1
Acetophenone	2.7	J	5.6	0.61	ug/L		09/07/11 06:00	09/08/11 17:16	
Acetophenone Anthracene	5.6	U	5.6	0.31	ug/L		09/07/11 06:00	09/08/11 17:16	
Atrazine	5.6	U *	5.6	0.52	ug/L		09/07/11 06:00	09/08/11 17:16	
Benzaldehyde	5,6	U	5.6	0.30	ug/L		09/07/11 06:00	09/08/11 17:16	
•	5.6	U	5.6	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	
Benzo(a)anthracene	5.6	U	5.6		ug/L ug/L		09/07/11 06:00	09/08/11 17:16	
Benzo(a)pyrene	5.6	U	5.6	0.38	ug/L		09/07/11 06:00	09/08/11 17:16	
Benzo(b)fluoranthene	5.6	U	5.6		ug/L ug/L		09/07/11 06:00	09/08/11 17:16	
Benzo(g,h,i)perylene	5.6	U	5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Benzo(k)fluoranthene			5.6		ug/L ug/L				
Bis(2-chloroethoxy)methane	5.6	U	5.6		-		09/07/11 06:00	09/08/11 17:16	
Bis(2-chloroethyl)ether		U			ug/L		09/07/11 06:00	09/08/11 17:16	
Bis(2-ethylhexyl) phthalate	5.6		5.6	2.0	ug/L		09/07/11 06:00	09/08/11 17:16	
Butyl benzyl phthalate	5.6	U	5.6	0.47	ug/L		09/07/11 06:00	09/08/11 17:16	
Caprolactam	5.6	U	5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Carbazole	5.6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Chrysene	5.6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Di-n-butyl phthalate	5.6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Di-π-octyl phthalate	5.6	U	5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Dibenz(a,h)anthracene	5.6	U	5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Dibenzofuran	11	υ	11		ug/L		09/07/11 06:00	09/08/11 17:16	
Diethyl phthalate	5.6	U	5.6		ug/L		09/07/11 06:00	09/08/11 17:16	
Dimethyl phthalate	5.6	U	5.6	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	
Fluoranthene	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	
Fluorene	5.6	U	5.6	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	
l exachlorobenzene	5.6	U	5.6	0.57	ug/L		09/07/11 06:00	09/08/11 17:16	
l exachlorobutadiene	5.6	U	5.6	0.76	ug/L		09/07/11 06:00	09/08/11 17:16	
Hexachlorocyclopentadiene	5.6	U	5.6	0.66	ug/L		09/07/11 06:00	09/08/11 17:16	·
Hexachloroethane	5.6		5.6		ug/L		09/07/11 06:00	09/08/11 17:16	

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

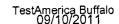
TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Collected: 09/02/11 08:13
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-5

Analyte		Qualifier	RL -		ח חם	rit D	Prepared	Analyzed	Dil Fa
ndeno(1,2,3-cd)pyrene	5.6	U	5.6	0	.53 ug	/L	09/07/11 06:00	09/08/11 17:16	
sophorone	5.6	U	5.6	0	.48 ug	/L	09/07/11 06:00	09/08/11 17:16	
N-Nitrosodi-n-propylamine	5.6	U	5.6	0	.61 ug	/L	09/07/11 06:00	09/08/11 17:16	
N-Nitrosodiphenylamine	5.6	U	5.6	0	.57 ug	/L	09/07/11 06:00	09/08/11 17:16	
Naphthalene	0.92	J	5.6	0	.85 ug	/L	09/07/11 06:00	09/08/11 17:16	
Nitrobenzene	5.6	U	5.6	Ö	33 ug	/L `	09/07/11 06:00	09/08/11 17:16	
Pentachlorophenol	11	u	11		2.5 ug	/L	09/07/11 06:00	09/08/11 17:16	
Phenanthrene	5.6	U	5.6	0	.49 ug	/L	09/07/11 06:00	09/08/11 17:16	
Phenol	5.6	U	5.6	0	.44 ug	/L	09/07/11 06:00	09/08/11 17:16	
Pyrene	5.6	U	5.6	. 0	.38 ug	/L	09/07/11 06:00	09/08/11 17:16	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil F
Pentane, 1-chloro-	24	JN	ug/L		2.43	543-59-9	09/07/11 06:00	09/08/11 17:16	
Benzene, chloro-	120	JN	ug/L		3.73	108-90-7	09/07/11 06:00	09/08/11 17:16	
thylbenzene	120	JN	ug/L		3.94	100-41-4	09/07/11 06:00	09/08/11 17:16	
Inknown	170	J	ug/L		4.38		09/07/11 06:00	09/08/11 17:16	
Inknown	27	J	ug/L		4.80		09/07/11 06:00	09/08/11 17:16	
Pyridine, 2-chloro-	68	J N	ug/L		4.89	109-9-1	09/07/11 06:00	09/08/11 17:16	
Inknown	140	J	ug/L		6.52		09/07/11 06:00	09/08/11 17:16	
Irea, N,N"-dimethyl-N,N"-diphenyl-	17	JN	ug/L		11.75	611-92-7	09/07/11 06:00	09/08/11 17:16	
Y-Diethylcarbanilide	76	JN	ug/L		11.97	1000132-72-	09/07/11 06:00	09/08/11 17:16	
مرین میریان						7			
Jnknown -	24		ug/L "		12.81		09/07/11 06:00	09/08/11 17:16	
dexadecanoic acid, butyl ester		JN	ug/L "		12.97	111-6-8		09/08/11 17:16	
Jnknown 	36		ug/L		13.59		09/07/11 06:00	09/08/11 17:16	
Jnknown 	22		ug/L		13.64		09/07/11 06:00	09/08/11 17:16	
Unknown	32		ug/L		14.10		09/07/11 06:00	09/08/11 17:16	
<i>Jnknown</i>	21		ug/L		14.24		09/07/11 06:00	09/08/11 17:16	
Inknown	57	_	ug/L 		14.37		09/07/11 06:00	09/08/11 17:16	
Inknown	39		ug/L		14.84		09/07/11 06:00	09/08/11 17:16	
Inknown	21	J	ug/L		14.88		09/07/11 06:00	09/08/11 17:16	
Inknown	16		ug/L		15.47		09/07/11 06:00	09/08/11 17:16	
Unknown	35	J	ug/L		15.70		09/07/11 06:00	09/08/11 17:16	
Surrogate Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
2,4,6-Tribromophenol	125		52 ₋ 132				09/07/11 06:00	09/08/11 17:16	
?-Fluorobiphenyl	90		48 - 120				09/07/11 06:00	09/08/11 17:16	
?-Fluorophenol	43		20 - 120				09/07/11 06:00	09/08/11 17:16	
litrobenzene-d5	72		46 - 120				09/07/11 06:00	09/08/11 17:16	
p-Terphenyl-d14	103		24 - 136				09/07/11 06:00	09/08/11 17:16	
Phenol-d5	34		16 - 120				09/07/11 06:00	09/08/11 17:16	
Method: 6010B - Metals (ICP)									
Analyte		Qualifier	RL	N	DL U	nit D	·	Analyzed	Dil F
Lead	0.0039	J	0.0050	0.00	30 m	n/l	09/07/11 08:30	09/07/11 17:35	



Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-6

Matrix: W

	Qualifier			Unit		Prepared	Analyzed	Dil Fac
1.5		1.0	0.82	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.21	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.23	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.31	ug/L			09/06/11 18:52	1
22		1.0	0.38	ug/L			09/06/11 18:52	1
		1.0	0.29	ug/L			09/06/11 18:52	1
	U	1.0	0.41	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.39	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.73	-			09/06/11 18:52	1
1.0		1.0	0.79	ug/L			09/06/11 18:52	1
0.95	J	1.0		_			09/06/11 18:52	1
				_				1
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	U .			-				1
				•				1
				-			09/06/11 18:52	1
1.0	U	1.0	0.35	ug/L			09/06/11 18:52	1
1.0	บ	1.0	0.81	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.36	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.18	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.68	ug/L			09/06/11 18:52	1
1.0	Ü	1.0	0.74	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.79	ug/L			09/06/11 18:52	1
1.0	U	1.0	0.50	ug/L			09/06/11 18:52	1
1.0	Ü	1.0	0.16	ug/L			09/06/11 18:52	1
1.0	U	1.0					09/06/11 18:52	1
0.61	J	1.0					09/06/11 18:52	1
		1.0						1
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	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 U 1.0 U	1.0 U 1.0 1.0 U 1.0 1.0 U 1.0 1.0 U 1.0 22	1.0 U 1.0 0.21 1.0 U 1.0 0.33 1.0 U 1.0 0.33 22 1.0 0.38 3.0 1.0 0.29 1.0 U 1.0 0.41 1.0 U 1.0 0.39 1.0 U 1.0 0.73 1.0 U 1.0 0.79 0.95 J 1.0 0.21 1.0 U 1.0 0.72 1.0 U 1.0 0.78 1.0 U 1.0 0.78 1.0 U 1.0 0.78 1.0 U 1.0 0.78 1.0 U 1.0 0.84 5.0 U 5.0 1.2 10 U 10 1.3 5.0 U 5.0 2.1 10 U 10 3.0 1.0 U 1.0 0.41 1.0 U 1.0 0.39 1.0 U 1.0 0.41 1.0 U 1.0 0.39 1.0 U 1.0 0.41 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.39 1.0 U 1.0 0.32 4.4 1.0 0.32 4.4 1.0 0.32 4.5 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.36 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.51 1.0 U 1.0 0.51 1.0 U 1.0 0.51 1.0 U 1.0 0.51 1.0 U 1.0 0.57 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.51 1.0 U 1.0 0.51 1.0 U 1.0 0.51 1.0 U 1.0 0.57 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.50 1.0 U 1.0 0.51 1.0 U 1.0 0.55	1.0 U 1.0 0.21 ug/L 1.0 U 1.0 0.23 ug/L 1.0 U 1.0 0.31 ug/L 22 1.0 0.38 ug/L 3.0 1.0 0.29 ug/L 1.0 U 1.0 0.41 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.84 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.32 ug/L 1.0 U 1.0 0.32 ug/L 1.0 U 1.0 0.32 ug/L 1.0 U 1.0 0.32 ug/L 1.0 U 1.0 0.35 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.38 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.38 ug/L 1.0 U 1.0 0.37 ug/L 1.0 U 1.0 0.38 ug/L 1.0 U 1.0 0.38 ug/L	1.0 U 1.0 0.21 ug/L 1.0 U 1.0 0.23 ug/L 1.0 U 1.0 0.31 ug/L 22 1.0 0.38 ug/L 3.0 1.0 0.29 ug/L 1.0 U 1.0 0.41 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.72 ug/L 1.0 U 1.0 0.72 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.78 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.84 ug/L 5.0 U 5.0 1.2 ug/L 1.0 U 1.0 1.3 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.84 ug/L 5.0 U 5.0 2.1 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.35 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.35 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.34 ug/L 1.0 U 1.0 0.35 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.88 ug/L 1.0 U 1.0 0.77 ug/L 1.0 U 1.0 0.88 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.70 ug/L 1.0 U 1.0 0.70 ug/L	1.0 U 1.0 0.21 ug/L 1.0 U 1.0 0.23 ug/L 22 1.0 0.38 ug/L 3.0 1.0 0.29 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.79 ug/L 1.0 U 1.0 0.84 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.41 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.41 ug/L 1.0 U 1.0 0.39 ug/L 1.0 U 1.0 0.36 ug/L 1.0 U 1.0 0.68 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.73 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.74 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.75 ug/L 1.0 U 1.0 0.90 ug/L	1.0 U 1.0 0.21 ug/L 09/06/11 18:52 1.0 U 1.0 0.23 ug/L 09/06/11 18:52 2.2 1.0 0.31 ug/L 09/06/11 18:52 2.2 1.0 0.38 ug/L 09/06/11 18:52 2.2 1.0 0.38 ug/L 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Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Cuent Sample ID: MW7D-110902

Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-6

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3.7	J	ug/L		8.25			09/06/11 18:52	1
1,4-Dioxane	46		ug/L		9.98	123-91-1		09/06/11 18:52	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137	-		•		09/06/11 18:52	1
Toluene-d8 (Surr)	89		71 - 126					09/06/11 18:52	1
4-Bromofluorobenzene (Surr)	80		73 - 120					09/06/11 18:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.4	Ū	5.4	0.71	ug/L		09/07/11 06:00	09/08/11 17:39	•
bis (2-chloroisopropyl) ether	5.4	U	5.4	0.57	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4,5-Trichlorophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4,6-Trichlorophenol	5.4	U	5.4	0.66	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dichlorophenol	5.4	ប	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dimethylphenol	5.4	U	5.4	0.54	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dinitrophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dinitrotoluene	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,6-Dinitrotoluene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Chloronaphthalene	5.4	U	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 17:39	•
2-Chlorophenol	5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 17:39	•
ethylnaphthalene	5.4	U	5.4	0.65	ug/L		09/07/11 06:00	09/08/11 17:39	•
lethylphenol	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Nitroaniline	11	U	11	0.46	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Nitrophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 17:39	1
3,3'-Dichlorobenzidine	5.4	Ū	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	
3-Nitroaniline	11	U	11	0.52	ug/L		09/07/11 06:00	09/08/11 17:39	1
4,6-Dinitro-2-methylphenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Bromophenyl phenyl ether	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 17:39	•
4-Chloro-3-methylphenol	5.4	υ	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 17:39	•
4-Chloroaniline	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Chlorophenyl phenyl ether	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Methylphenol	11	U	11	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	•
4-Nitroaniline	11	U	11	0.27	ug/L		09/07/11 06:00	09/08/11 17:39	,
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 17:39	•
Acenaphthene	3.4	J	5.4	0.45	ug/L		09/07/11 06:00	09/08/11 17:39	•
Acenaphthylene	5.4	U	5.4	0.41	ug/L		09/07/11 06:00	09/08/11 17:39	•
Acetophenone	5.4	U	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 17:39	•
Anthracene	5.4	U	5.4	0.30	ug/L		09/07/11 06:00	09/08/11 17:39	•
Atrazine	5.4	U *	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 17:39	•
Benzaldehyde	5.4	U	5.4	0.29	ug/L		09/07/11 06:00	09/08/11 17:39	•
Benzo(a)anthracene	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	•
Benzo(a)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 17:39	
Benzo(b)fluoranthene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 17:39	
Benza(g,h,i)perylene	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 17:39	
Benzo(k)fluoranthene	5.4	U	5.4	0.79	ug/L		09/07/11 06:00	09/08/11 17:39	
Bis(2-chloroethoxy)methane	5.4	Ú	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 17:39	
(2-chloroethyl)ether	5.4	U	5.4	0.43			09/07/11 06:00	09/08/11 17:39	
(2-ethylhexyl) phthalate	5.4	U	5.4	2.0	ug/L		09/07/11 06:00	09/08/11 17:39	
Butyl benzyl phthalate	5.4	U	5.4		ug/L	-	09/07/11 06:00	09/08/11 17:39	-
Caprolactam	5.4		5.4		ug/L		09/07/11 06:00	09/08/11 17:39	

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Client Sample ID: MW7D-110902

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-6

Matrix: W

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3.1	J	5.4	0.33	ug/L		09/07/11 06:00	09/08/11 17:39	-
5.4	U	5.4	0.36	ug/L		09/07/11 06:00	09/08/11 17:39	• • • • • •
5.4	U	5.4	0.34	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0,46	ug/L		09/07/11 06:00	09/08/11 17:39	•
3.2	J	11	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0.24	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	
1.8	J	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	1
5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	1
5.4	U	5.4	0.74	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 17:39	1
5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 17:39	1
5.4	U	5.4	0.47	ug/L		09/07/11 06:00	09/08/11 17:39	•
5.4	υ	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 17:39	
5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	
5.4	U	5.4	0.83	ug/L		09/07/11 06:00	09/08/11 17:39	
5.4	Ü	5.4	0.32	ug/L	.,	09/07/11 06:00	09/08/11 17:39	
11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1
5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 17:39	, , , , , , , , , , , , , , , , , , ,
0.83	J	5.4	0.42	ug/L		09/07/11 06:00	09/08/11 17:39	
		5.4				09/07/11 06:00	09/08/11 17:39	1
Est. Result	Qualifier	Unit D		RT	CAS No.	Prepared	Analyzed	Dil Fac
130	JN	ug/L	7	.68	1187-3-7	09/07/11 06:00	09/08/11 17:39	
8.9	J N	ug/L	10	.90	70-55-3	09/07/11 06:00	09/08/11 17:39	;
6.1	J	ug/L	12	.70		09/07/11 06:00	09/08/11 17:39	:
20	J	ug/L	13	.33		09/07/11 06:00	09/08/11 17:39	
12	J	ug/L	13	.51		09/07/11 06:00	09/08/11 17:39	
4.5	J	ug/L	13	.54		09/07/11 06:00	09/08/11 17:39	
48	J		13	.63		09/07/11 06:00		1
						09/07/11 06:00		
36	J	=						
21	J	_						
	J	*						
	J							
		and a second second						· · · · · · .
								1
42		ug/L				09/07/11 06:00	09/08/11 17:39	1
	,		10	.52		09/07/11 06:00	09/08/11 17:39	- 1
11		ug/L	46	04		00/07/44 00:00	00/00/14 47 00	
9.3	J	ug/L		.81 .84		09/07/11 06:00 09/07/11 06:00	09/08/11 17:39 09/08/11 17:39	
9.3 25	J J	ug/L ug/L		.81 .84		09/07/11 06:00 09/07/11 06:00	09/08/11 17:39 09/08/11 17:39	
9.3 25 % Recovery	J J	ug/L ug/L Limits				09/07/11 06:00 Prepared	09/08/11 17:39 Analyzed	<u></u>
9.3 25 % Recovery 124	J J Qualifier	ug/L ug/L Limits 52 - 132				09/07/11 06:00 Prepared 09/07/11 06:00	09/08/11 17:39 Analyzed 09/08/11 17:39	
9.3 25 % Recovery	J J Qualifier	ug/L ug/L Limits				09/07/11 06:00 Prepared	09/08/11 17:39 Analyzed	
	Result 3.1 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4	Result Qualifier 3.1 J 5.4 U Result Qualifier RL 3.1 J 5.4 5.4 U 5.4 6.4 U U 5.4	Result Qualifier RL MDL 3.1 J 5.4 0.33 5.4 U 5.4 0.36 5.4 U 5.4 0.51 5.4 U 5.4 0.46 3.2 J 11 0.55 5.4 U 5.4 0.24 5.4 U 5.4 0.39 5.4 U 5.4 0.39 5.4 U 5.4 0.43 1.8 J 5.4 0.39 5.4 U 5.4 0.43 1.8 J 5.4 0.39 5.4 U 5.4 0.43 1.8 J 5.4 0.43 1.8 J 5.4 0.43 1.8 J 5.4 0.43 1.8 J 5.4 0.55 5.4 U 5.4 0.64 5.4 U 5.4 0.51 </td <td> Result Qualifier RL</td> <td> Result Qualifier RL</td> <td>3.1 J 5.4 0.33 ug/L 09/07/11 06:00 5.4 U 5.4 0.36 ug/L 09/07/11 06:00 5.4 U 5.4 0.34 ug/L 09/07/11 06:00 5.4 U 5.4 0.61 ug/L 09/07/11 06:00 5.4 U 5.4 0.48 ug/L 09/07/11 06:00 5.4 U 5.4 0.24 ug/L 09/07/11 06:00 5.4 U 5.4 0.24 ug/L 09/07/11 06:00 5.4 U 5.4 0.24 ug/L 09/07/11 06:00 5.4 U 5.4 0.43 ug/L 09/07/11 06:00 5.4 U 5.4 0.55 ug/L 09/07/11 06:00 5.4 U 5.4 0.55 ug/L 09/07/11 06:00 5.4 U 5.4 0.54 ug/L 09/07/11 06:00 5.4 U 5.4 0.64 ug/L 09/07/11 06:00</td> <td> Result Qualifier</td>	Result Qualifier RL	Result Qualifier RL	3.1 J 5.4 0.33 ug/L 09/07/11 06:00 5.4 U 5.4 0.36 ug/L 09/07/11 06:00 5.4 U 5.4 0.34 ug/L 09/07/11 06:00 5.4 U 5.4 0.61 ug/L 09/07/11 06:00 5.4 U 5.4 0.48 ug/L 09/07/11 06:00 5.4 U 5.4 0.24 ug/L 09/07/11 06:00 5.4 U 5.4 0.24 ug/L 09/07/11 06:00 5.4 U 5.4 0.24 ug/L 09/07/11 06:00 5.4 U 5.4 0.43 ug/L 09/07/11 06:00 5.4 U 5.4 0.55 ug/L 09/07/11 06:00 5.4 U 5.4 0.55 ug/L 09/07/11 06:00 5.4 U 5.4 0.54 ug/L 09/07/11 06:00 5.4 U 5.4 0.64 ug/L 09/07/11 06:00	Result Qualifier	

TestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902

Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-6

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		46 - 120	09/07/11 06:00	09/08/11 17:39	1
p-Terphenyl-d14	97		24 - 136	09/07/11 06:00	09/08/11 17:39	1
Phenol-d5	38		16 - 120	09/07/11 06:00	09/08/11 17:39	1

 Method: 6010B - Metals (ICP)
 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Lead
 0.0050
 U
 0.0050
 0.0030
 mg/L
 09/07/11 08:30
 09/07/11 17:37
 1

Client Sample ID: MW7D-110902D

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-7

Matrix: Water

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1-Trichloroethane	1.6		1.0	0.82	ug/L			09/06/11 19:17	
1,2,2-Tetrachloroethane	1.0	υ	1.0	0.21	ug/L			09/06/11 19:17	
1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 19:17	
1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 19:17	
1-Dichloroethane	24		1.0	0.38	ug/L			09/06/11 19:17	
Dichloroethene	3.4		1.0	0.29	ug/L			09/06/11 19:17	
	1.0	U	1.0	0.41	ug/L			09/06/11 19:17	
2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 19:17	
2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 19:17	
2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 19:17	
2-Dichloroethane	1.0		1.0	0.21	ug/L			09/06/11 19:17	
2-Dichloropropane	1.0	u	1.0	0.72	ug/L			09/06/11 19:17	
3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 19:17	
4-Dichlorabenzene	1.0	U	1.0	0.84	ug/L			09/06/11 19:17	
Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 19:17	
Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 19:17	
Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 19:17	
cetone	10	U	10	3.0	ug/L			09/06/11 19:17	
enzene	1.0	. U	1.0	0.41	ug/L	-		09/06/11 19:17	
romodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 19:17	
romoform	1.0	U	1.0	0.26	ug/L			09/06/11 19:17	
romomethane	1.0	U	1.0	0.69	ug/L			09/06/11 19:17	
arbon disulfide	1.0	U	1.0	0.19	ug/L			09/06/11 19:17	
arbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 19:17	
hlorobenzene	1.0	, u	1.0	0.75	ug/L			09/06/11 19:17	
ibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 19:17	
hloroethane	5.0		1.0	0.32	ug/L			09/06/11 19:17	
hloroform	0.49	J	1.0	0.34	ug/L			09/06/11 19:17	
hloromethane	1.0	u	1.0	0.35	ug/L			09/06/11 19:17	
s-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 19:17	
s-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 19:17	
rlohexane	1.0	U	1.0	0.18	ug/L			09/06/11 19:17	
nlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 19:17	
thylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 19:17	
opropylbenzene	1.0	_	1.0		ug/L			09/06/11 19:17	

TestAmerica Buffalo 09/10/2011 Client: ENVIRON International Corp. Project/Site: VDM Lockport

Client Sample ID: MW7D-110902D

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-7

Matrix: W

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	Ū	1.0	0.50	ug/L			09/06/11 19:17	1
Methyl tert-butyl ether	1.0	Ū	1.0	0.16	ug/L			09/06/11 19:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 19:17	1
Methylene Chloride	0.62	J	1.0	0.44	ug/L			09/06/11 19:17	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 19:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 19:17	1
Toluene	1.0	U	1.0	0,51	ug/L			09/06/11 19:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 19:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 19:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 19:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 19:17	1
Vinyl chloride	1.7		1.0	0.90	ug/L			09/06/11 19:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 19:17	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1,4-Dioxane	51		ug/L	9	9.98	123-91-1		09/06/11 19:17	1
Tentatively Identified Compound	None		ug/L					09/06/11 19:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	-	66 - 137			-		09/06/11 19:17	1
Toluene-d8 (Surr)	94		71 - 126					09/06/11 19:17	1
4-Bromofluorobenzene (Surr)	86		73 - 120					09/06/11 19:17	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.7	U	5.7	0.74	ug/L		09/07/11 06:00	09/08/11 18:03	1
bis (2-chloroisopropyl) ether	5.7	U	5.7	0.59	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4,5-Trichlorophenol	5.7	U	5.7	0.55	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4,6-Trichlorophenol	5.7	U	5.7	0.69	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dichlorophenol	5.7	U	5.7	0.58	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dimethylphenol	5.7	U	5.7	0.57	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dinitrophenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dinitrotoluene	5.7	U	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,6-Dinitrotoluene	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Chloronaphthalene	5.7	U	5.7	0.52	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Chlorophenol	5.7	U	5.7	0.60	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Methylnaphthalene	5.7	U	5.7	0.68	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Methylphenol	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Nitroaniline	11	U	11	0.48	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Nitrophenol	5.7	U	5.7	0.55	ug/L		09/07/11 06:00	09/08/11 18:03	1
3,3'-Dichlorobenzidine	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
3-Nitroaniline	11	U	11	0.55	ug/L		09/07/11 06:00	09/08/11 18:03	1
4,6-Dinitro-2-methylphenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Bromophenyl phenyl ether	5.7	U	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Chloro-3-methylphenol	5.7	U	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Chloroaniline	5.7	U	5.7	0.67	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Chlorophenyl phenyl ether	5.7	U	5.7	0.40	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Methylphenol	11	U	11	0.41	ug/L		09/07/11 06:00	09/08/11 18:03	980.
4-Nitroaniline	11	U	11	0.28	ug/L		09/07/11 06:00	09/08/11 18:03	\
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 18:03	1
Acenaphthene	0.91	J	5.7	0.47	ug/L		09/07/11 06:00	09/08/11 18:03	1

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902D

Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	5.7	Ū	5.7	0.43	ug/L		09/07/11 06:00	09/08/11 18:03	1
Acetophenone	5.7	U	5.7	0.61	ug/L		09/07/11 06:00	09/08/11 18:03	1
Anthracene	5.7	U	5.7	0.32	ug/L		09/07/11 06:00	09/08/11 18:03	1
Atrazine	5.7	U *	5.7	0.52	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzaldehyde	5.7	U	5.7	0.30	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(a)anthracene	5.7	U	5.7	0.41	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(a)pyrene	5.7	U	5.7	0.53	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(b)fluoranthene	5.7	U	5.7	0.39	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(g,h,i)perylene	5.7	U	5.7	0.40	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(k)fluoranthene	5.7	U	5.7	0.83	ug/L		09/07/11 06:00	09/08/11 18:03	1
Bis(2-chloroethoxy)methane	5.7	U	5.7	0.40	-		09/07/11 06:00	09/08/11 18:03	1
Bis(2-chloroethyl)ether	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
Bis(2-ethylhexyl) phthalate	2.1	J	5.7	2.0	_		09/07/11 06:00	09/08/11 18:03	1
Butyl benzyl phthalate	5.7		5.7	0.48	ug/L		09/07/11 06:00	09/08/11 18:03	1
Caprolactam	5.7		5.7	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
Carbazole	2.1		5.7	0.34			09/07/11 06:00	09/08/11 18:03	1
Chrysene	5.7		. 5.7	0.38	•		09/07/11 06:00	09/08/11 18:03	1
Di-n-butyl phthalate	5.7		5.7	0.35	ug/L		09/07/11 06:00	09/08/11 18:03	1
Di-n-octyl phthalate	5.7		5.7		ug/L		09/07/11 06:00	09/08/11 18:03	1
Dibenz(a,h)anthracene	5.7		5.7		ug/L		09/07/11 06:00	09/08/11 18:03	1
enzofuran	2.3		11		ug/L		09/07/11 06:00	09/08/11 18:03	1
Séthyl phthalate	5.7		5.7		ug/L		09/07/11 06:00	09/08/11 18:03	1
Dimethyl phthalate	5.7		5.7		ug/L		09/07/11 06:00	09/08/11 18:03	1
Fluoranthene	5.7		5.7	0.45	-		09/07/11 06:00	09/08/11 18:03	1
Fluorene	1.6		5.7	0.41	-		09/07/11 06:00	09/08/11 18:03	1
Hexachiorobenzene	5.7		5.7	0.58	•		09/07/11 06:00	09/08/11 18:03	1
Hexachlorobutadiene	5.7		5.7	0.77	-		09/07/11 06:00	09/08/11 18:03	1
	5.7		5.7	0.67	=		09/07/11 06:00	09/08/11 18:03	1
Hexachlorocyclopentadiene Hexachloroethane	5.7		5.7	0.67	_		09/07/11 06:00	09/08/11 18:03	1
	5.7		5.7	0.53	-		09/07/11 06:00	09/08/11 18:03	1
Indeno(1,2,3-cd)pyrene	5.7		5.7	0.49	ug/L		09/07/11 06:00	09/08/11 18:03	1
Isophorone	5.7		5.7	0.49	-		09/07/11 06:00	09/08/11 18:03	1
N-Nitrosodi-n-propylamine	5.7	=	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
N-Nitrosodiphenylamine	5.7		5.7		•		09/07/11 06:00	09/08/11 18:03	1
Naphthalene				0.86	•				1
Nitrobenzene	5.7		5.7	0.33	ug/L		09/07/11 06:00	09/08/11 18:03	1
Pentachlorophenol	11		11	2.5	-		09/07/11 06:00	09/08/11 18:03	1
Phenanthrene	5.7		5.7	0.50	-		09/07/11 06:00	09/08/11 18:03	
Phenol	5.7		5.7		ug/L		09/07/11 06:00	09/08/11 18:03	1
Pyrene	5.7	U	5.7	0.39	ug/L		09/07/11 06:00	09/08/11 18:03	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Urea, tetraethyl-	140	JN	ug/L	 7	7.68	1187-3-7	09/07/11 06:00	09/08/11 18:03	1
Unknown	6.2	J	ug/L	8	3.60		09/07/11 06:00	09/08/11 18:03	1
Benzenesulfonamide, 4-methyl-	8.2	JN	ug/L	10	9.90	70-55 - 3	09/07/11 06:00	09/08/11 18:03	1
Unknown	7.2	J	ug/L	11	.78		09/07/11 06:00	09/08/11 18:03	1
Unknown	50		ug/L	12	2.81		09/07/11 06:00	09/08/11 18:03	1
' '≃xadecanoic acid, butyl ester		JN	ug/L		2.97	111-6-8		09/08/11 18:03	1
nown	21		ug/L		3.33		09/07/11 06:00	09/08/11 18:03	1
Unknown	16		ug/L		3.51		09/07/11 06:00	09/08/11 18:03	1
-····-	, ,	-	- <i>-</i> -	, .				-	

Client: ENVIRON International Corp.

TestAmerica Job ID: 480-9354-1

Project/Site: VDM Lockport

Client Sample ID: MW7D-110902D

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-7

Matrix: W

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Unknown	23	J	ug/L		3.64		09/07/11 06:00	09/08/11 18:03	
Unknown	10	J	ug/L	13	3.91		09/07/11 06:00	09/08/11 18:03	
Unknown	39	J	ug/L	14	1.10		09/07/11 06:00	09/08/11 18:03	
Unknown	15	J	ug/L	14	1.25		09/07/11 06:00	09/08/11 18:03	
Unknown	32	J	ug/L	1.	1.37		09/07/11 06:00	09/08/11 18:03	
Unknown	11	J	ug/L	14	1.65		09/07/11 06:00	09/08/11 18:03	
Unknown	40	J	ug/L	14	1.84		09/07/11 06:00	09/08/11 18:03	
Unknown	12	J	ug/L	15	5.47		09/07/11 06:00	09/08/11 18:03	
Unknown	47	J	ug/L	13	5.70		09/07/11 06:00	09/08/11 18:03	
Unknown	11	J	ug/L	16	5.52		09/07/11 06:00	09/08/11 18:03	
Unknown	26	J	ug/L	16	5. 85		09/07/11 06:00	09/08/11 18:03	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
2,4,6-Tribromophenol	134	X	52 - 132				09/07/11 06:00	09/08/11 18:03	
2-Fluorobiphenyl	105		48 - 120				09/07/11 06:00	09/08/11 18:03	
2-Fluorophenol	57		20 - 120				09/07/11 06:00	09/08/11 18:03	
Nitrobenzene-d5	93		46 - 120				09/07/11 06:00	09/08/11 18:03	
p-Terphenyl-d14	72		24 - 136				09/07/11 06:00	09/08/11 18:03	
Phenol-d5	43		16 - 120				09/07/11 06:00	09/08/11 18:03	
Method: 6010B - Metals (ICP)									$t^{-\frac{1}{2}}$
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:40	

Client Sample ID: MW10D-110902

Date Collected: 09/02/11 13:58

Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 19:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 19:42	1
1,1,2-Trichloroethane	1.0	u	1.0	0.23	ug/L			09/06/11 19:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 19:42	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 19:42	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 19:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 19:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 19:42	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 19:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 19:42	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 19:42	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 19:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 19:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 19:42	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 19:42	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 19:42	1,
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 19:42	112.54
Acetone	9.4	J	10	3.0	ug/L			09/06/11 19:42	~-1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 19:42	1

TestAmerica Buffalo 09/10/2011

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

2-Chlorophenol

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW10D-110902

Collected: 09/02/11 13:58
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Bromodichloromethane	12		1.0	0.39	ug/L			09/06/11 19:42	
Bramaform	1.0	U	1.0	0.26	ug/L			09/06/11 19:42	
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 19:42	
Carbon disulfide	1.6		1.0	0.19	ug/L			09/06/11 19:42	
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 19:42	
Chlorobenzene	1.0	Ü	1.0	0.75	ug/L			09/06/11 19:42	
Dibromochloromethane	4.2		1.0	0.32	ug/L			09/06/11 19:42	
Chloroethane	1.0	U	1.0	0.32	ug/L			09/06/11 19:42	
Chloroform	35		1.0	0.34	ug/L			09/06/11 19:42	
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 19:42	
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	_			09/06/11 19:42	
cis-1,3-Dichloropropene	1.0	U	1.0		ug/L			09/06/11 19:42	
Cyclohexane	1.0	U	1.0		ug/L			09/06/11 19:42	
Dichlorodifluoromethane	1.0		1.0	0.68	•			09/06/11 19:42	
Ethylbenzene	1.0		1.0		ug/L			09/06/11 19:42	
Isopropylbenzene	1.0		1.0		ug/L			09/06/11 19:42	
Methyl acetate	1.0		1.0		ug/L			09/06/11 19:42	
Methyl tert-butyl ether	1.0		1.0		ug/L			09/06/11 19:42	
• •	1.0		1.0		-			09/06/11 19:42	
Methylcyclohexane Methylene Chloride					ug/L				
The state of the s	1.0		1.0		ug/L			09/06/11 19:42	
ene	1.0		1.0		ug/L			09/06/11 19:42	
≟≌⁄rachloroethene — .	1.0		1.0	0.36	•			09/06/11 19:42	
Toluene	0.79		1.0	0.51	-			09/06/11 19:42	
trans-1,2-Dichloroethene	1.0		1.0	0.90	-			09/06/11 19:42	
trans-1,3-Dichloropropene	1.0		1.0	0.37	_			09/06/11 19:42	
Trichloroethene	1.0		1.0		ug/L			09/06/11 19:42	
Trichlorofluoromethane	1.0		1.0		ug/L			09/06/11 19:42	
Vinyl chloride	1.0	U	1.0		ug/L			09/06/11 19:42	
Xylenes, Total	1.6	J	2.0	0.66	ug/L			09/06/11 19:42	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	DII Fa
Tentatively Identified Compound	None		ug/L					09/06/11 19:42	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	101	<u> </u>	66 - 137					09/06/11 19:42	
Toluene-d8 (Surr)	94		71 _ 126					09/06/11 19:42	
4-Bromofluorobenzene (Surr)	86		73 - 120					09/06/11 19:42	
Method: 8270C - Semivolatile O	•	•	•	AADI	11-14	_		A1	D11 F-
Analyte		Qualifier	- RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Biphenyl	5.4		5.4	0.70			09/07/11 06:00	09/08/11 18:27	
bis (2-chloroisopropyl) ether	5.4		5.4	0.56	_		09/07/11 06:00	09/08/11 18:27	
2,4,5-Trichlorophenol	5.4		5.4		ug/L		09/07/11 06:00	09/08/11 18:27	
2,4,6-Trichlorophenol	5.4		5.4		ug/L		09/07/11 06:00	09/08/11 18:27	
2,4-Dichlorophenol	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	
2,4-Dimethylphenol	5.4	U	5.4	0.54	ug/L		09/07/11 06:00	09/08/11 18:27	
2,4-Dinitrophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	
Dinitrotoluene	5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 18:27	
Dinitrotoluene ُمُرِيَ	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	
		Ü			ug/L			09/08/11 18:27	* *

TestAmerica Buffalo

09/08/11 18:27

09/07/11 06:00

0.57 ug/L

5.4 U

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-9354-8

Matrix: W

Client Sample ID: MW10D-110902

Date Collected: 09/02/11 13:58 Date Received: 09/02/11 17:00

								Dil Fa
5.4	Ū	5,4	0.65	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	Ü	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	
11	U	11	0.45	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	
11	U	11	0.52	ug/L		09/07/11 06:00	09/08/11 18:27	
11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.63	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 18:27	
11	U	11	0.39	ug/L		09/07/11 06:00	09/08/11 18:27	
11	U	11	0.27	ug/L		09/07/11 06:00	09/08/11 18:27	
11	U	11	1.6	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.44	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.41	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.30	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U *	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 18:27	
0.66	J	5.4				09/07/11 06:00	09/08/11 18:27	
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							09/08/11 18:27	
				-			09/08/11 18:27	
							09/08/11 18:27	
5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.73	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.63	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.63	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.46	ug/L		09/07/11 06:00	09/08/11 18:27	
5.4	U	5.4	0.58	ug/L	* *	09/07/11 06:00	09/08/11 18:27	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -
5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	* * * * * * * * * * * * * * * * * * *
5.4	U	5.4						ν.
	11 5.4 5.4 11 11 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4	5.4 U 5.4 U 11 U 5.4 U 5.4 U 5.4 U 5.4 U 11 U 11 U 11 U 11 U 5.4 U	11 U 5.4 U 5.4 5.4 U 5.4 5.4 U 5.4 11 U 11 11 U 11 5.4 U 5.4 5.4 U 5.4 5.4 U 5.4 5.4 U 5.4 5.4 U 5.4 11 U 11 11 U 11 11 U 11 11 U 11 11 U 11 11 U 11 11 U 5.4 5.4 U 5.	11 U 5.4 0.52 5.4 U 5.4 0.52 5.4 U 5.4 0.43 11 U 11 0.52 11 U 11 0.24 5.4 U 5.4 0.48 5.4 U 5.4 0.63 5.4 U 5.4 0.38 11 U 11 0.39 11 U 11 0.27 11 U 11 0.66 5.4 U 5.4 0.44 5.4 U 5.4 0.44 5.4 U 5.4 0.49 0.66 J 5.4 0.29 5.4 U 5.4 0.31 5.4 U 5.4	11 U	11 U	11 U 11 0.45 ug/L 09/07/11 06:00 5.4 U 5.4 0.52 ug/L 09/07/11 06:00 5.4 U 5.4 0.52 ug/L 09/07/11 06:00 5.4 U 5.4 0.43 ug/L 09/07/11 06:00 11 U 11 0.52 ug/L 09/07/11 06:00 5.4 U 5.4 0.48 ug/L 09/07/11 06:00 5.4 U 5.4 0.48 ug/L 09/07/11 06:00 5.4 U 5.4 0.63 ug/L 09/07/11 06:00 5.4 U 5.4 0.63 ug/L 09/07/11 06:00 5.4 U 5.4 0.63 ug/L 09/07/11 06:00 11 U 11 0.39 ug/L 09/07/11 06:00 11 U 11 0.39 ug/L 09/07/11 06:00 11 U 11 1.6 ug/L 09/07/11 06:00 5.4 U 5.4 0.44 ug/L 09/07/11 06:00 5.4 U 5.4 0.41 ug/L 09/07/11 06:00 5.4 U 5.4 0.41 ug/L 09/07/11 06:00 5.4 U 5.4 0.41 ug/L 09/07/11 06:00 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.30 ug/L 09/07/11 06:00 5.5 U 5.4 0.31 ug/L 09/07/11 06:00 5.5 U 5.4 0.31 ug/L 09/07/11 06:00 5.5 U 5.4 0.32 ug/L 09/07/11 06:00 5.5 U 5.4 0.33 ug/L 09/07/11 06:00 5.5 U 5.4 0.38 ug/L 09/07/11 06:00 5.5 U 5.4 0.39 ug/L 09/07/11 06:00 5.5 U 5.4 0.39 ug/L 09/07/11 06:00 5.5 U 5.4 0.50 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00 5.5 U 5.4 0.51 ug/L 09/07/11 06:00	11 U 5.4 0.45 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.52 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 0.52 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 0.52 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 2.4 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.48 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.48 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.63 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.38 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 1.6 ug/L 09/07/11 06:00 09/08/11 18:27 11 U 11 1.6 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.44 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.44 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.44 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.44 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.49 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.49 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.30 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.38 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.38 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.38 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.38 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.39 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.51 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.51 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.51 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.51 ug/L 09/07/11 06:00 09/08/11 18:27 5.4 U 5.4 0.59 u

TestAmerica Buffalo

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-9354-8

Matrix: Water

CHent Sample ID: MW10D-110902

Collected: 09/02/11 13:58

Date Received: 09/02/11 17:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	1
Phenanthrene	5.4	U	5.4	0.47	ug/L		09/07/11 06:00	09/08/11 18:27	1
Phenol	5.4	U	5.4	0.42	ug/L		09/07/11 06:00	09/08/11 18:27	1
Pyrene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 18:27	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	39	J	ug/L	12	.81		09/07/11 06:00	09/08/11 18:27	1
Hexadecanoic acid, butyl ester	34	JN	ug/L	12	.97	111-6-8	09/07/11 06:00	09/08/11 18:27	1
Phenol, 4,4"-(1-methylethylidene)bis-	20	J N	ug/L	13	.03	80-5-7	09/07/11 06:00	09/08/11 18:27	1
Unknown	16	J	ug/L	13	.33		09/07/11 06:00	09/08/11 18:27	1
Unknown	6.9	J	ug/L	13	.49		09/07/11 06:00	09/08/11 18:27	1
Unknown	34	J	ug/L	13	.59		09/07/11 06:00	09/08/11 18:27	1
Unknown	17	J	ug/L	13	.64		09/07/11 06:00	09/08/11 18:27	1
Unknown	7.6	J	ug/L	13	.91		09/07/11 06:00	09/08/11 18:27	1
Unknown	29	J	ug/L	14	.10		09/07/11 06:00	09/08/11 18:27	1
Unknown	13	J	ug/L	14	.25		09/07/11 06:00	09/08/11 18:27	1
Unknown	66	J	ug/L	14	.37		09/07/11 06:00	09/08/11 18:27	1
Unknown	9.1	J	ug/L	14	.65		09/07/11 06:00	09/08/11 18:27	1
Unknown	35	J	ug/L	14	.84		09/07/11 06:00	09/08/11 18:27	1
Unknown	5.8	J	ug/L	15	.07		09/07/11 06:00	09/08/11 18:27	1
Known	10	J	ug/L	15	.47		09/07/11 06:00	09/08/11 18:27	1
known	35	J	ug/L	15	.70		09/07/11 06:00	09/08/11 18:27	1
Unknown	9.4	J	ug/L	16	.04		09/07/11 06:00	09/08/11 18:27	1
Unknown	6.8	J	ug/L	16	.52		09/07/11 06:00	09/08/11 18:27	1
Unknown	5.5	J	ug/L	16	.81		09/07/11 06:00	09/08/11 18:27	1
Unknown	20	J	ug/L	16	.84		09/07/11 06:00	09/08/11 18:27	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribramophenol	109		52 - 132				09/07/11 06:00	09/08/11 18:27	1
2-Fluorobiphenyl	91		48 - 120				09/07/11 06:00	09/08/11 18:27	1
2-Fluorophenol	43		20 _ 120				09/07/11 06:00	09/08/11 18:27	1
Nitrobenzene-d5	82		46 - 120				09/07/11 06:00	09/08/11 18:27	1
p-Terphenyl-d14	69		24 - 136				09/07/11 06:00	09/08/11 18:27	7
Phenol-d5	33		16 - 120				09/07/11 06:00	09/08/11 18:27	1
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0050		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:46	

Client Sample ID: TB-110902

Date Collected: 09/02/11 14:00 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-9

Method: 8260B - Volatile Organic (Compounds ((GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 20:07	1
2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 20:07	1
,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 20:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 20:07	1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: TB-110902

Date Collected: 09/02/11 14:00 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-9

Matrix: W

Analyte	Result	Qualifier	RL	MDL	Unit	D Prep	ared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 20:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 20:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 20:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 20:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 20:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 20:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 20:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 20:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 20:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 20:07	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 20:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 20:07	1
Acetone	10	U	10	3.0	ug/L			09/06/11 20:07	1
Benzene	1.0	U	1.0	0.41	_			09/06/11 20:07	1
Bromodichloromethane	1.0	U	1.0	0.39	-			09/06/11 20:07	1
Bromoform	1.0	U	1.0	0.26	-			09/06/11 20:07	1
Bromomethane	1.0	U	1.0	0.69				09/06/11 20:07	1
Carbon disulfide	1.0		1.0	0.19	_			09/06/11 20:07	1
Carbon tetrachloride	1.0		1.0	0.27				09/06/11 20:07	1
Chlorobenzene	1.0		1.0	0.75				09/06/11 20:07	
Dibromochloromethane	1.0		1.0	0.32	-			09/06/11 20:07	,
Chloroethane	1.0		1.0	0.32				09/06/11 20:07	
Chloroform	1.0		1.0		ug/L			09/06/11 20:07	1
Chloromethane	1.0	U	1.0	0.35	-			09/06/11 20:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	-			09/06/11 20:07	1
		U	1.0	0.36	-				' 1
cis-1,3-Dichloropropene	1.0		1.0		-			09/06/11 20:07	
Cyclohexane	1.0				ug/L			09/06/11 20:07	1
Dichlorodifluoromethane			1.0	0.68	-			09/06/11 20:07	1
Ethylbenzene	1.0		1.0	0.74	-			09/06/11 20:07	1
Isopropylbenzene	1.0		1.0	0.79	-			09/06/11 20:07	1
Methyl acetate	1.0		1.0		ug/L			09/06/11 20:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	-			09/06/11 20:07	1
Methylcyclohexane	1.0	U	1.0	0.16	_			09/06/11 20:07	1
Methylene Chloride	1.0	U	1.0	0.44	•			09/06/11 20:07	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 20:07	1
Tetrachloroethene	1.0		1.0	0.36	-			09/06/11 20:07	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 20:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 20:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 20:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 20:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 20:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 20:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 20:07	1
Surrogate	% Recovery	Qualifier	Limits			Prep	ared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					09/06/11 20:07	1
Toluene-d8 (Surr)	90		71 - 126					09/06/11 20:07	4
4-Bromofluorabenzene (Surr)	80		73 - 120					09/06/11 20:07	

TestAmerica Job ID: 480-9354-1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS)

ix: Water Prep Type: Total/NA

				Percent Surroga	ite Recovery (Acceptance Limits)
		12DCE	TOL	BFB	
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	
480-9354-1	MW4DR-110901	95	90	82	
480-9354-1 - DL	MW4DR-110901	98 D	90 D	80 D	
480-9354-2	MW8D-110901	97	90	80	
480-9354-3	MW5S-110901	101	93	84	
480-9354-4	MW3D-110901	100	95	85	
480-9354-4 - DL	MW3D-110901	102 D	94 D	84 D	
480-9354-5	MW9D-110902	97	96	90	
480-9354-5 - DL	MW9D-110902	98 D	95 D	92 D	
480-9354-6	MW7D-110902	98	89	80	
480-9354-7	MW7D-110902D	104	94	86	
480-9354-8	MW10D-110902	101	94	86	
480-9354-9	TB-110902	98	90	80	
LCS 480-30122/4	Lab Control Sample	95	95	90	
LCS 480-30261/4	Lab Control Sample	94	95	90	
LCS 480-30409/4	Lab Control Sample	89	94	91	
MB 480-30122/5	Method Blank	101	96	89	
MB 480-30261/5	Method Blank	98	92	84	
MB 480-30409/5	Method Blank	91	87	83	

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

			Percent Sur	rogate Reco	very (Accepta	ance Limits)
	TBP	FBP	2FP	NBZ	TPH	PHL
Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(24-136)	(16-120)
MW4DR-110901	129	100	51	88	92	37
MW8D-110901	121	95	54	88	102	39
MW5S-110901	117	88	38	71	94	28
MW3D-110901	119	102	51	92	90	38
MW9D-110902	125	90	43	72	103	34
MW7D-110902	124	97	49	85	97	38
MW7D-110902D	134 X	105	57	93	72	43
MW10D-110902	109	91	43	82	69	33
Lab Control Sample	120	102	57	95	122	41
Method Blank	112	89	45	81	113	33
	MW4DR-110901 MW8D-110901 MW5S-110901 MW3D-110901 MW9D-110902 MW7D-110902 MW7D-110902 MW10D-110902 Lab Control Sample	Client Sample ID (52-132) MW4DR-110901 129 MW8D-110901 121 MW5S-110901 117 MW3D-110901 119 MW9D-110902 125 MW7D-110902 124 MW7D-110902D 134 X MW10D-110902 109 Lab Control Sample 120	Client Sample ID (52-132) (48-120) MW4DR-110901 129 100 MW8D-110901 121 95 MW5S-110901 117 88 MW3D-110901 119 102 MW9D-110902 125 90 MW7D-110902 124 97 MW7D-110902D 134 X 105 MW10D-110902 109 91 Lab Control Sample 120 102	Client Sample ID (52-132) (48-120) (20-120) MW4DR-110901 129 100 51 MW8D-110901 121 95 54 MW5S-110901 117 88 38 MW3D-110901 119 102 51 MW9D-110902 125 90 43 MW7D-110902 124 97 49 MW7D-110902D 134 X 105 57 MW10D-110902 109 91 43 Lab Control Sample 120 102 57	Client Sample ID TBP (52-132) FBP (48-120) 2FP (20-120) NBZ (46-120) MW4DR-110901 129 100 51 88 MW8D-110901 121 95 54 88 MW5S-110901 117 88 38 71 MW3D-110901 119 102 51 92 MW9D-110902 125 90 43 72 MW7D-110902 124 97 49 85 MW7D-110902D 134 X 105 57 93 MW10D-110902 109 91 43 82 Lab Control Sample 120 102 57 95	Client Sample ID (52-132) (48-120) (20-120) (46-120) (24-136) MW4DR-110901 129 100 51 88 92 MW8D-110901 121 95 54 88 102 MW5S-110901 117 88 38 71 94 MW3D-110901 119 102 51 92 90 MW9D-110902 125 90 43 72 103 MW7D-110902 124 97 49 85 97 MW7D-110902D 134 X 105 57 93 72 MW10D-110902 109 91 43 82 69 Lab Control Sample 120 102 57 95 122

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

TPH = p-Terphenyl-d14

PHL = Phenol-d5

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-30122/5

Matrix: Water

Analysis Batch: 30122

Client Sample ID: Method Blas	nk
Prep Type: Total/N	IA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 11:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 11:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 11:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	Ü	1.0	0.31	ug/L			09/06/11 11:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 11:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 11:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 11:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 11:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 11:03	1
1,2-Dichlorobenzene	1.0	Ū	1.0	0.79	ug/L			09/06/11 11:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 11:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 11:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 11:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 11:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 11:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 11:03	1
4-Methyi-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 11:03	1
Acetone	10	U	10	3.0	ug/L			09/06/11 11:03	1
Benzene	1.0	U	1.0	0.41	-			09/06/11 11:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 11:03	
Bromoform	1.0		1.0		ug/L			09/06/11 11:03	Ċ
Bromomethane ·	1.0		1.0	0.69	ug/L			09/06/11 11:03	· - 1
Carbon disulfide	1.0		1.0		ug/L			09/06/11 11:03	1
Carbon tetrachloride	1.0		1.0	0.27	ug/L			09/06/11 11:03	1
Chlorobenzene	1,0		1.0	0.75	ug/L			09/06/11 11:03	1
Dibromochloromethane	1.0		1.0		ug/L			09/06/11 11:03	. 1
Chloroethane	1.0		1.0	0.32	-			09/06/11 11:03	1
Chloroform	1.0		1.0	0.34	ug/L			09/06/11 11:03	'
Chloromethane	1.0		1.0	0.35	ug/L			09/06/11 11:03	1
	1.0		1.0	0.81	-				'
cis-1,2-Dichloroethene	1.0		1.0	0.36	.			09/06/11 11:03	
cis-1,3-Dichloropropene								09/06/11 11:03	1
Cyclohexane	1.0		1.0	0.18	_			09/06/11 11:03	1
Dichlorodifluoromethane	1.0		1.0		ug/L			09/06/11 11:03	1
Ethylbenzene	1.0		1.0	0.74	ug/L			09/06/11 11:03	1
Isopropylbenzene	1.0		1.0	0.79	ug/L			09/06/11 11:03	1
Methyl acetate	1.0		1.0	0.50	ug/L			09/06/11 11:03	1
Methyl tert-butyl ether	1.0		1.0	0.16				09/06/11 11:03	1
Methylcyclohexane	1.0	U	1.0	0.16				09/06/11 11:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 11:03	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 11:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 11:03	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 11:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 11:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 11:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 11:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 11:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 11:03	1, 1, 1
Xylenes, Total	2.0		2.0	0.66				09/06/11 11:03	100

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30122/5

Matrix: Water

Analysis Batch: 30122

Client Sample ID: Method Blank Prep Type: Total/NA

MB MB

Tentatively Identified Compound Est. Result Qualifier Unit D RT CAS No. Prepared Analyzed Dil Fa

Tentatively Identified Compound None ug/L 09/06/11 11:03

MB MB

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		09/06/11 11:03	1
Toluene-d8 (Surr)	96		71 - 126		09/06/11 11:03	1
4-Bromofluorobenzene (Surr)	89		73 - 120		09/06/11 11:03	1

Lab Sample ID: LCS 480-30122/4

Matrix: Water

Analysis Batch: 30122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

		Spike	LCS	LCS				% Rec.	
	Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
	1,1-Dichloroethane	25.0	25.8		ug/L		103	71 - 129	
	1,1-Dichloroethene	25.0	26.4		ug/L		106	65 - 138	
	1,2-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120	
	1,2-Dichloroethane	25.0	25.4		ug/L		102	75 ₋ 127	
	Benzene	25.0	26.2		ug/L		105	71 - 124	
	Chlorobenzene	25.0	24.3		ug/L		97	72 - 120	
	_cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124	
ŕ	ylbenzene	25.0	25.1		ug/L		100	77 - 123	
٠	éthyl tert-butyl ether	25.0	24.9		ug/L		100	64 - 127	
	Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122	
	Toluene	25.0	25.5		ug/L		102	70 - 122	
	trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127	
	Trichloroethene	25.0	25.9		ug/L		104	74 - 123	•

LCS LCS

Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120

Lab Sample ID: MB 480-30261/5

Matrix: Water

Analysis Batch: 30261

Client Sample ID: Method Blank

Prep Type: Total/NA

Allalysis Batch: 30201									
	MB	MB	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1,0	U	1.0	0.82	ug/L			09/07/11 14:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/07/11 14:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/07/11 14:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	Ü	1.0	0.31	ug/L			09/07/11 14:05	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/07/11 14:05	1
1,1-Dichloroethene	1.0	υ	1.0	0.29	ug/L			09/07/11 14:05	1
1,2,4-Trichlorobenzene	1.0	U .	1.0	0.41	ug/L	•		09/07/11 14:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/07/11 14:05	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/07/11 14:05	1
Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/07/11 14:05	1
z-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/07/11 14:05	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/07/11 14:05	1
1,3-Dichlorobenzene	1.0	υ	1.0	0.78	ug/L			09/07/11 14:05	1
1									

estAmerica Buffalo 09/10/2011 Client: ENVIRON International Corp. Project/Site: VDM Lockport

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30261/5							Client Sample ID: Method Blank				
Matrix: Water								Prep Type: T	otal/NA		
Analysis Batch: 30261											
		MB									
Analyte		Qualifier	- RL		Unit	<u>D</u> .	Prepared	Analyzed	Dil Fac		
1,4-Dichlorobenzene	1.0	U	1.0	0.84	•			09/07/11 14:05	1		
2-Hexanone	5.0		5.0	1.2	_			09/07/11 14:05	1		
2-Butanone (MEK)	10	U	10	1.3	•			09/07/11 14:05	1		
4-Methyl-2-pentanone (MIBK)	5.0		5.0	2.1	-			09/07/11 14:05	1		
Acetone	10		10		ug/L			09/07/11 14:05	1		
Benzene	1.0		1.0		ug/L			09/07/11 14:05	1		
Bromodichloromethane	1.0	U	1.0		ug/L			09/07/11 14:05	1		
Bromoform	1.0		1.0		ug/L			09/07/11 14:05	1		
Bromomethane	1.0		1.0		ug/L			09/07/11 14:05	1		
Carbon disulfide	1.0		1.0		ug/L			09/07/11 14:05	1		
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/07/11 14:05	1		
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/07/11 14:05	1		
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/07/11 14:05	1		
Chloroethane	1.0	U	1.0	0.32	ug/L			09/07/11 14:05	1		
Chloroform	1.0	U	1.0	0.34	ug/L			09/07/11 14:05	1		
Chloromethane	1.0	U	1.0	0.35	ug/L			09/07/11 14:05	1		
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/07/11 14:05	1		
cis-1,3-Dichloropropene	1.0	U	1,0	0.36	ug/L	·		09/07/11 14:05	1		
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/07/11 14:05	1		
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/07/11 14:05	- -1 .,		
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/07/11 14:05			
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/07/11 14:05			
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/07/11 14:05	1		
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/07/11 14:05	1		
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/07/11 14:05	1		
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/07/11 14:05	1		
Styrene	1.0	U	1.0	0.73	ug/L			09/07/11 14:05	1		
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/07/11 14:05	1		
Toluene	1.0	U	1.0	0.51	ug/L			09/07/11 14:05	1		
trans-1,2-Dichloroethene	1.0	U	1.0		ug/L			09/07/11 14:05	1		
trans-1,3-Dichloropropene	1.0	U	1.0		ug/L			09/07/11 14:05	1		
Trichloroethene	1.0	U	1.0		ug/L			09/07/11 14:05	1		
Trichlorofluoromethane	. 1.0	U	1.0	0.88	-			09/07/11 14:05	1		
Vinyl chloride	1.0		1.0		ug/L			09/07/11 14:05	1		
Xylenes, Total	2.0		2.0		ug/L			09/07/11 14:05	1		
7,7,6,100, 1014	2.4	•	2.7		-3, -			03/07/11 14.00	•		
	MB	MB									
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac		
Tentatively Identified Compound	None		ug/L					09/07/11 14:05	1		
	MB	MB									
Surrogate			Limits				D	August	04.5-		
1,2-Dichloroethane-d4 (Surr)	% Recovery	Qualifier	66 - 137			-	Prepared	Analyzed 09/07/11 14:05	Dil Fac		
									·		
Toluene-d8 (Surr)	92		71 - 126					09/07/11 14:05	1		
4-Bromofluorobenzene (Surr)	84		73 - 120					09/07/11 14:05	1		

Client: ENVIRON International Corp. Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-30261/4 Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 30261

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
1,1-Dichloroethane	25.0	26.2		ug/L		105	71 - 129	
1,1-Dichloroethene	25.0	26.7		ug/L		107	65 ₋ 138	
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120	
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 127	
Benzene	25.0	26.8		ug/L		107	71 - 124	
Chlorobenzene	25.0	25.1		ug/L		100	72 - 120	
cis-1,2-Dichloroethene	25.0	26.1		ug/L		104	74 - 124	
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123	
Methyl tert-butyl ether	25.0	23.8		ug/L		95	64 - 127	
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122	
Toluene	25.0	25.8		ug/L		103	70 - 122	
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127	
Trichloroethene	25.0	26.3		ug/L		105	74 - 123	
1								

LCS LCS

Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120

b Sample ID: MB 480-30409/5

..átrix: Water

Analysis Batch: 30409

Client Sample ID: Method Blank Prep Type: Total/NA

	Analysis Batch: 30409									
		MB	мв							
	Analyte	Resuit	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/08/11 11:56	1
	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/08/11 11:56	1
l	1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/11 11:56	1
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/08/11 11:56	1
	1,1-Dichloroethane	1.0	υ	1.0	0.38	ug/L			09/08/11 11:56	1
I	1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/11 11:56	1
	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/08/11 11:56	1
	1,2-Dibromo-3-Chioropropane	1.0	U	1.0	0.39	ug/L			09/08/11 11:56	1
l	1,2-Dibromoethane	1.0	υ	1.0	0.73	ug/L			09/08/11 11:56	1
	1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/08/11 11:56	1
	1,2-Dichloroethane	1.0	υ	1.0	0.21	ug/L			09/08/11 11:56	1
	1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/08/11 11:56	1
	1,3-Dichlorobenzene	1.0	Ú	1.0	0.78	ug/L			09/08/11 11:56	1
	1,4-Dichlorobenzene	1.0	υ	1.0	0.84	ug/L			09/08/11 11:56	1
	2-Hexanone	5.0	U	5.0	1.2	ug/L			09/08/11 11:56	1
l	2-Butanone (MEK)	10	์ บ	10	1.3	ug/L			09/08/11 11:56	1
	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/08/11 11:56	1
	Acetone	10	U	10	3.0	ug/L			09/08/11 11:56	1
	Benzene	1.0	U	1.0	0.41	ug/L			09/08/11 11:56	1
	Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/08/11 11:56	1
	Bromoform	1.0	υ	1.0	0.26	ug/L			09/08/11 11:56	1
-	nomethane	1.0	U .	1.0	0.69	ug/L			09/08/11 11:56	1
	bon disulfide	1.0	U	1.0	0.19	ug/L			09/08/11 11:56	1
And annual Park	Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/08/11 11:56	1
	Chlorobenzene .	1.0	U	1.0	0.75	ug/L			09/08/11 11:56	1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30409/5 Matrix: Water	,						Chenco	mple ID: Metho Prep Type: 1	
								Prep Type:	Otal/INA
Analysis Batch: 30409	MB	мв							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Dibromochloromethane	1.0	Ū	1.0	0.32	ug/L		· · · · · · · · · · · · · · · · · · ·	09/08/11 11:56	
Chloroethane	1.0	U	1.0	0.32	ug/L			09/08/11 11:56	
Chloroform	1.0	U	1.0	0.34	ug/L			09/08/11 11:56	
Chloromethane	1.0	U	1.0	0.35	ug/L			09/08/11 11:56	
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/08/11 11:56	
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/08/11 11:56	
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/08/11 11:56	
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/08/11 11:56	
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/08/11 11:56	
sopropylbenzene	1.0	U	1.0	0.79	ug/L			09/08/11 11:56	
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/08/11 11:56	
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/08/11 11:56	
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/08/11 11:56	
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/08/11 11:56	
Styrene	1.0	U	1.0	0.73	ug/L			09/08/11 11:56	
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/08/11 11:56	
Toluene	1.0	U	1.0	0.51	ug/L			09/08/11 11:56	
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L	* *		09/08/11 11:56	
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/08/11 11:56	
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/08/11 11:56	
Trichlorofluoromethane	1,0	U	1.0	0.88	ug/L			09/08/11 11:56	(
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/08/11 11:56	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/08/11 11:56	
	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fa
Tentatively Identified Compound	None		ug/L	***************************************				09/08/11 11:56	
	MB	MB							
Surrogate	% Recovery	Qualifier	Limits			•	Prepared	Analyzed	Dii Fa
,2-Dichloroethane-d4 (Surr)	91		66 - 137			•		09/08/11 11:56	
Toluene-d8 (Surr)	87		71 - 126					09/08/11 11:56	
4-Bromofluorobenzene (Surr)	83		73 ₋ 120					09/08/11 11:56	

Analysis Batch: 30409

Client Sample ID:	Lab	Contro	ol Sample
	Prep	Type:	Total/NA

Analysis Batch: 30409	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
1,1-Dichloroethane	25.0	24.7		ug/L		99	71 - 129	
1,1-Dichloroethene	25.0	25.6		ug/L		102	65 - 138	
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120	
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 127	
Benzene	25.0	25.6		ug/L		102	71 - 124	
Chlorobenzene	25.0	24.4		ug/L		98	72 ₋ 120	
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124	*******
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123	
Methyl tert-butyl ether	25.0	24.7		ug/L		99	64 - 127	A
Tetrachloroethene	25.0	25.6		ug/L		102	74 - 122	
Toluene	25.0	25.3		ug/L		101	70 - 122	
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127	

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

hod: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-30409/4

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 30409

Matrix: Water

Spike LCS LCS % Rec. Added Result Qualifier Unit % Rec Limits Trichloroethene 25.0 25.9 ug/L 104 74 - 123

LCS LCS

Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	91		73 ₋ 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-30307/1-A

Matrix: Water

Analysis Batch: 30464

Client	Samn	اا ما	7 · Mc	thod	Blank
CHEIL	Janip	16 11	J. 1810	uiou	Diank

Prep Type: Total/NA Prep Batch: 30307

	МВ	MB						-	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.0	<u>U</u>	5.0	0.65	ug/L		09/07/11 06:00	09/08/11 14:53	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dimethylphenol	5.0	U	5.0	0.50	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dinitrophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Nitroaniline	10	U	10	0.42	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Nitrophenol	5.0	U .	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 14:53	1
3,3'-Dichlorobenzidine	5.0	υ	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
3-Nitroaniline	10	U	10	0.48	ug/L		09/07/11 06:00	09/08/11 14:53	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Bromophenyl phenyl ether	5.0	Ü	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Chlorophenyl phenyl ether	5.0	Ü	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Methylphenol	10	U	10	0.36	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Nitroaniline	10	U	10	0.25	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Nitrophenol	10	U	10	1.5	ug/L		09/07/11 06:00	09/08/11 14:53	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/07/11 06:00	09/08/11 14:53	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/07/11 06:00	09/08/11 14:53	1
Acetophenone	5.0	U	5.0	0.54	ug/L		09/07/11 06:00	09/08/11 14:53	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/07/11 06:00	09/08/11 14:53	1
Atrazine	5.0	U	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		09/07/11 06:00	09/08/11 14:53	1
nzo(a)anthracene	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 14:53	1
) /zo(a)pyrene	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzo(g,h,i)perylene	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 14:53	. 1

Project/Site: VDM Lockport

Client: ENVIRON International Corp. TestAmerica Job ID: 480-9354-1

Method: 8270C	- Semivolatile	Organic	Compounds	(GC/MS)	(Continued)

Lab Sample ID: MB 480-30307/1-A Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA Analysis Batch: 30464 Prep Batch: 30307 MB MB RL Unit Prepared Analyte Result Qualifier D Analyzed Oil Fac 5.0 Ū 5.0 0.73 ug/L 09/07/11 06:00 09/08/11 14:53 Benzo(k)fluoranthene Bis(2-chloroethoxy)methane 5.0 U 5.0 0.35 ug/L 09/07/11 06:00 09/08/11 14:53 5.0 5.0 0.40 ug/L 09/07/11 06:00 09/08/11 14:53 Bis(2-chloroethyl)ether 5.0 U 5.0 1.8 ua/L 09/07/11 06:00 09/08/11 14:53 Bis(2-ethylhexyl) phthalate Butyl benzyl phthalate 5.0 U 5.0 0.42 ug/L 09/07/11 06:00 09/08/11 14:53 5.0 5.0 09/07/11 06:00 U 2.2 ug/L 09/08/11 14:53 Caprolactam 5.0 U 5.0 09/07/11 06:00 0.30 ua/L 09/08/11 14:53 Carbazole 5.0 U 5.0 0.33 ug/L 09/07/11 06:00 09/08/11 14:53 Chrysene Di-n-butyl phthalate 5.0 U 5.0 0.31 ug/L 09/07/11 06:00 09/08/11 14:53 5.0 t 5.0 0.47 ug/L 09/07/11 06:00 09/08/11 14:53 Di-n-octyl phthalate u ug/L 5.0 5.0 0.42 09/07/11 06:00 09/08/11 14:53 Dibenz(a,h)anthracene 10 U 10 0.51 ug/L 09/07/11 06:00 09/08/11 14:53 Dibenzofuran 5.0 U 5.0 0.22 ug/L 09/07/11 06:00 09/08/11 14:53 Diethyl phthalate Dimethyl phthalate 5.0 U 5.0 0.36 ug/L 09/07/11 06:00 09/08/11 14:53 5.0 5.0 0.40 ug/L 09/07/11 06:00 09/08/11 14:53 Fluoranthene 50 U 5.0 ug/L 09/07/11 06:00 0.36 09/08/11 14:53 Fluorene 5.0 U 5.0 0.51 ug/L 09/07/11 06:00 09/08/11 14:53 Hexachlorobenzene 5.0 U 5.0 0.68 ug/L 09/07/11 06:00 09/08/11 14:53 Hexachiorobutadiene 5.0 U 5.0 09/07/11 06:00 09/08/11 14:53 0.59 ug/L Hexachlorocyclopentadiene 5.0 U 5.0 0.59 ug/L 09/07/11 06:00 09/08/11 14:53 Hexachloroethane 5.0 U 5.0 0.47 ug/L 09/07/11 06:00 09/08/11 14:53 Indeno(1,2,3-cd)pyrene 5.0 U 5.0 0.43 ug/L 09/07/11 06:00 09/08/11 14:53 Isophorone 5.0 U 5.0 0.54 ug/L 09/07/11 06:00 09/08/11 14:53 N-Nitrosodi-n-propylamine 5.0 U 5.0 0.51 ug/L N-Nitrosodiphenylamine 09/07/11 06:00 09/08/11 14:53 5.0 U 5.0 0.76 ug/L 09/07/11 06:00 09/08/11 14:53 Naphthalene 5.0 U 5.0 0.29 ug/L 09/07/11 06:00 09/08/11 14:53 Nitrobenzene Pentachlorophenol 10 - 11 10 2.2 ug/L 09/07/11 06:00 09/08/11 14:53 5.0 5.0 Phenanthrene U ug/L 09/07/11 06:00 09/08/11 14:53 5.0 5.0 U 0.39 ug/L 09/07/11 06:00 09/08/11 14:53 Phenol 5.0 U 5.0 0.34 ug/L 09/07/11 06:00 09/08/11 14:53 Pyrene MB MB Tentatively Identified Compound Est. Result Qualifier Unit D RT CAS No. Prepared Dil Fac Analyzed Benzyl alcohol 3.50 ug/L 6.08 100-51-6 09/07/11 06:00 09/08/11 14:53 Ethyl citrate 7.80 JN ug/L 10.75 77-93-0 09/07/11 06:00 09/08/11 14:53 Unknown 15.1 ug/L 12.81 09/07/11 06:00 09/08/11 14:53 13 33 Unknown 118 . ug/L 09/07/11 06:00 09/08/11 14:53 Unknown 21.4 J ug/L 13.63 09/07/11 06:00 09/08/11 14:53 Unknown 4.94 J ug/L 13,91 09/07/11 06:00 09/08/11 14:53 Unknown 21.8 J ug/L 14.10 09/07/11 06:00 09/08/11 14:53 7.94 J ug/L 14.25 09/07/11 06:00 Unknown 09/08/11 14:53 ug/L Unknown 18.9 J 14.37 09/07/11 06:00 09/08/11 14:53 Unknown 6.98 J ug/L 14.65 09/07/11 06:00 09/08/11 14:53 25.7 J ug/L 14 84 Unknown 09/07/11 06:00 09/08/11 14:53 6.35 J ug/L 15.47 Unknown 09/07/11 06:00 09/08/11 14:53 25.6 J ug/L 15.70 09/07/11 06:00 Unknown 09/08/11 14:53 5.66 J ug/L 16.52 Unknown 09/07/11 06:00 09/08/11 14:53 12.1 J ug/L 16.84 Unknown 09/07/11 06:00 09/08/11 14:53

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

hod: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Ľab Sample ID: MB 480-30307/1-A

Matrix: Water

Analysis Batch: 30464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30307

Surrogate	% Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribramophenol	112	52 - 132	09/07/11 06:00	09/08/11 14:53	1
2-Fluorobiphenyl	89	48 - 120	09/07/11 06:00	09/08/11 14:53	1
2-Fluorophenol	45	20 - 120	09/07/11 06:00	09/08/11 14:53	1
Nitrobenzene-d5	81	46 - 120	09/07/11 06:00	09/08/11 14:53	1
p-Terphenyl-d14	113	24 - 136	09/07/11 06:00	09/08/11 14:53	1
Phenol-d5	33	16 - 120	09/07/11 06:00	09/08/11 14:53	1

Lab Sample ID: LCS 480-30307/2-A

Matrix: Water

Analysis Batch: 30464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30307

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
2,4-Dinitrotoluene	100	116		ug/L		116	59 _ 125	
2-Chlorophenol	100	87.5		ug/L		88	48 _ 120	
4-Chioro-3-methylphenol	100	107		ug/L		107	64 _ 120	
4-Nitrophenol	100	56.2		ug/L	* *	56	16 - 120	•
Acenaphthene	100	97.1		ug/L		97	60 _ 120	
Bis(2-ethylhexyl) phthalate	100	118		ug/L		118	69 _ 136	
Fluorene	100	107		ug/L		107	66 - 129	
Yachloroethane	100	45.4		ug/L		45	25 _ 120	
itrosodi-n-propylamine	100	101		ug/L		101	56 ₋ 120	
Pentachlorophenol	100	112		ug/L		112	39 _ 136	
Phenol	100	46.3		ug/L		46	17 - 120	
Pyrene	100	114		ug/L		114	58 ₋ 136	

LCS LCS

MB MB

Surrogate	% Recovery	Qualifier	Limits
2,4,6-Tribromophenol	120		52 - 132
2-Fluorobiphenyl	102		48 - 120
2-Fluorophenol	57		20 - 120
Nitrobenzene-d5	95		46 - 120
p-Terphenyl-d14	122		24 - 136
Phenol-d5	41		16 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-30184/1-A

Matrix: Water

Analysis Batch: 30441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30184

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 16:40	1

Lab Sample ID: LCS 480-30184/2-A

Matrix: Water

Analysis Batch: 30441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30184 % Rec.

 Spike
 LCS
 LCS
 % Rec.

 Added
 Result
 Qualifier
 Unit
 D
 % Rec
 Limits

 Lead
 0.200
 0.202
 mg/L
 101
 80 - 120

TestAmerica Job ID: 480-9354-1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

GC/MS VOA	

Analy	/eie	Batch:	30122
Allal	1212	Datti.	30 122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	8260B	
480-9354-2	MW8D-110901	Total/NA	Water	8260B	
480-9354-3	MW5S-110901	Total/NA	Water	8260B	
480-9354-4	MW3D-110901	Total/NA	Water	8260B	
480-9354-5	MW9D-110902	Total/NA	Water	8260B	
480-9354-6	MW7D-110902	Total/NA	Water	8260B	
480-9354-7	MW7D-110902D	Total/NA	Water	8260B	
480-9354-8	MW10D-110902	Total/NA	Water	8260B	
480-9354-9	TB-110902	Total/NA	Water	8260B	
LCS 480-30122/4	Lab Control Sample	Total/NA	Water	8260B	** * * * * * * * * * * * * * * * * * * *
MB 480-30122/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 30261

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
480-9354-1 - DL	MW4DR-110901	Total/NA	Water	8260B	
480-9354-4 - DL	MW3D-110901	Total/NA	Water	8260B	
LCS 480-30261/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-30261/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 30409

ient Sample ID	Prep Type	Matrix	Method	Prep Batch
W9D-110902	Total/NA	Water	8260B	
b Control Sample	Total/NA	Water	8260B	Post in
ethod Blank	Total/NA	Water	8260B	(1910)
	iient Sample ID W9D-110902 ab Control Sample ethod Blank	W9D-110902 Total/NA ab Control Sample Total/NA	W9D-110902 Total/NA Water ab Control Sample Total/NA Water	W9D-110902 Total/NA Water 8260B ab Control Sample Total/NA Water 8260B

GC/MS Semi VOA

Prep Batch: 30307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	3510C	
480-9354-2	MW8D-110901	Total/NA	Water	3510C	
480-9354-3	MW5S-110901	Total/NA	Water	3510C	
480-9354-4	MW3D-110901	Total/NA	Water	3510C	
480-9354-5	MW9D-110902	Total/NA	Water	3510C	
480-9354-6	MW7D-110902	Total/NA	Water	3510C	
480-9354-7	MW7D-110902D	Total/NA	Water	3510C	
480-9354-8	MW10D-110902	Total/NA	Water	3510C	
LCS 480-30307/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-30307/1-A	Method Blank	Total/NA	Water	3510C	• • • • • • • • • • • • • • • • • • • •

Analysis Batch: 30464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	8270C	30307
480-9354-2	MW8D-110901	Total/NA	Water	8270C	30307
480-9354-3	MW5S-110901	Total/NA	Water	8270C	30307
480-9354-4	MW3D-110901	Total/NA	Water	8270C	30307
480-9354-5	MW9D-110902	Total/NA	Water	8270C	30307
480-9354-6	MW7D-110902	Total/NA	Water	8270C	30307
480-9354-7	MW7D-110902D	Total/NA	Water	8270C	3 7
480-9354-8	MW10D-110902	Total/NA	Water	8270C	3.
LCS 480-30307/2-A	Lab Control Sample	Total/NA	Water	8270C	30307
MB 480-30307/1-A	Method Blank	Total/NA	Water	8270C	30307

TestAmerica Buffalo 09/10/2011

QC Association Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

als

Prep Batch: 30184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	3005A	
480-9354-2	MVV8D-110901	Total/NA	Water	3005A	
480-9354-3	MW5S-110901	Total/NA	Water	3005A	
480-9354-4	MW3D-110901	Total/NA	Water	3005A	
480-9354-5	MW9D-110902	Total/NA	Water	3005A	
480-9354-6	MW7D-110902	Total/NA	Water	3005A	
480-9354-7	MW7D-110902D	Total/NA	Water	3005A	
480-9354-8	MW10D-110902	Total/NA	Water	3005A	
LCS 480-30184/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-30184/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 30441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	6010B	30184
480-9354-2	MW8D-110901	Total/NA	Water	6010B	30184
480-9354-3	MW5S-110901	Total/NA	Water	6010B	30184
480-9354-4	MW3D-110901	Total/NA	Water	6010B	30184
480-9354-5	MW9D-110902	Total/NA	Water	6010B	30184
480-9354-6	MW7D-110902	Total/NA	Water	6010B	30184
480-9354-7	MW7D-110902D	Total/NA	Water	6010B	30184
480-9354-8	MW10D-110902	Total/NA	Water	6010B	30184
LCS 480-30184/2-A	Lab Control Sample	Total/NA	Water	6010B	30184
\480-30184/1-A	Method Blank	Total/NA	Water	6010B	30184

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

Client Sample ID: MW4DR-110901

Date Collected: 09/01/11 06:49 Date Received: 09/02/11 17:00

Lab Sample ID: 480-935

Matrix: Wass.

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 16:46	RJ	TAL BUF
Total/NA	Analysis	8260B	DL	4	30261	09/07/11 14:48	LH	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 15:41	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:25	AH	TAL BUF

Client Sample ID: MW8D-110901

Date Collected: 09/01/11 08:15 Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-2

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 17:11	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	ΚV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 16:04	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:28	AH	TAL BUF

Client Sample ID: MW5S-110901

Date Collected: 09/01/11 09:15

Date Received: 09/02/11 17:00

Lab Sample ID: 480-935

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 17:36	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 16:28	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:30	AH	TAL BUF

Client Sample ID: MW3D-110901

Date Collected: 09/01/11 12:33

Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-4

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 18:01	RJ	TAL BUF
Total/NA	Analysis	8260B	DL	4	30261	09/07/11 15:14	LH	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 16:52	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:32	AH	TAL BUF

Client: ENVIRON International Corp. Project/Site: VDM Lockport

े़nt Sample ID: MW9D-110902

Collected: 09/02/11 08:13
Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-5

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	30122	09/06/11 18:27	RJ	TAL BUF
Total/NA	Analysis	8260B	DL	10	30409	09/08/11 12:45	CDC	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 17:16	MP	TAL BUF
Total/NA	Prep	3005A	٠		30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:35	AH	TAL BUF

Client Sample ID: MW7D-110902

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-6 Matrix: Water

-	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			30122	09/06/11 18:52	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 17:39	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:37	AH	TAL BUF

⊎nt Sample ID: MW7D-110902D

Date Collected: 09/02/11 12:10 Date Received: 09/02/11 17:00 Lab Sample ID: 480-9354-7

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 19:17	RJ	TAL BUF
Total/NA	Ргер	3510C			30307	09/07/11 06:00	КV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 18:03	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:40	AH	TAL BUF

Client Sample ID: MW10D-110902

Date Collected: 09/02/11 13:58

Date Received: 09/02/11 17:00

Lab Sample ID: 480-9354-8

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 19:42	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 18:27	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	ML	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:46	AH	TAL BUF

TestAmerica Buffalo 09/10/2011

Lab Chronicle

Client: ENVIRON International Corp.

Client Sample ID: TB-110902

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Lab Sample ID: 480-935

Matrix: Wall

Date Collected: 09/02/11 14:00

Date Received: 09/02/11 17:00

-	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 20:07	RJ	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Job ID: 480-9354-1

Client: ENVIRON International Corp. Project/Site: VDM Lockport

atory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA .
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
FestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
FestAmerica Buffalo	lowa	State Program	7	374
estAmerica Buffalo	Kansas	NELAC	7	E-10187
estAmerica Buffalo	Kentucky	Kentucky UST	4	30
estAmerica Buffalo	Kentucky	State Program	4	90029
estAmerica Buffalo	Louisiana	NELAC	6	02031
estAmerica Buffalo	Maine	State Program	1	NY0044
estAmerica Buffalo	Maryland	State Program	3	294
estAmerica Buffalo	Massachusetts	State Program	1	M-NY044
estAmerica Buffalo	Michigan	State Program	5	9937
estAmerica Buffalo	Minnesota	NELAC	5	036-999-337
estAmerica Buffalo	New Hampshire	NELAC	1	68-00281
estAmerica Buffalo	New Hampshire	NELAC	1	2337
FestAmerica Buffalo	New Jersey	NELAC	2	NY455
estAmerica Buffalo	New York	NELAC	2	10026
restAmerica Buffalo	North Dakota	State Program	8	R-176
estAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregan	NELAC	10	NY200003
America Buffalo	Pennsylvania	NELAC	3	68-00281
merica Buffalo	Tennessee	State Program	4	TN02970
estAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
estAmerica Buffalo	USDA	USDA	•	P330-08-00242
estAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
FestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ENVIRON International Corp.

Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo 09/10/2011

Sample Summary

Client: ENVIRON International Corp. Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

ample ID	Client Sample ID	Matrix	Collected	Received
480-9354-1	MW4DR-110901	Water	09/01/11 06:49	09/02/11 17:00
480-9354-2	MW8D-110901	Water	09/01/11 08:15	09/02/11 17:00
480-9354-3	MW5S-110901	Water	09/01/11 09:15	09/02/11 17:00
480-9354-4	MW3D-110901	Water	09/01/11 12:33	09/02/11 17:00
480-9354-5	MW9D-110902	Water	09/02/11 08:13	09/02/11 17:00
480-9354-6	MW7D-110902	Water	09/02/11 12:10	09/02/11 17:00
480-9354-7	MW7D-110902D	Water	09/02/11 12:10	09/02/11 17:00
480-9354-8	MW10D-110902	Water	09/02/11 13:58	09/02/11 17:00
480-9354-9	TB-110902	Water	09/02/11 14:00	09/02/11 17:00

VDM00281

TestAmerica Buffalo

10 Hezelwood Drive

Amberst. NY 14228-2298

Chain of Custody Record



Phone (716) 591-2600 Fax (716) 691-7991 Carner Tracking No(s): COC No Gray-Erdmann, Peggy 480-16298-3823.1 Client Information Cleri Cantact Page. peggy.gray-erdmann@testamericainc.com Mr Jay Shipley Page 1 of 2 Company ENVIRON International Corp. Analysis Requested Due Dete Requesteg: Preservetion Codes: 214 Carnegle Center Suite 200 A - HCt. M - Heyane TAT Requested (days): B NaOH N - None Princeton C - Zn Acetate O - AsNeO2 P - Ne2O45 D - Nitric Acid Slate, Žip: E - Nal 1904 D - Na2500 NJ, 08540 F-MeOH P. Na/152900 609 452 9000 G - Ametikar S - H2304 Purchase Order not requir T - TSP Dupecatychale H - Ascome Acid Li - Acetona J. DI Water V-MCA4 ishipley@environcorp.com K . FITA W- ph 4-5 Omes: P C ED Project Name nojaci F L - EDA Z - OTHE (apecity) 48004796 VDM Lockport SSOW Mamx Sample Type \$ample (Cacome. Time G=grab) Sample Identification Sample Date Special instructions/Note: Preservation Code: WW od od 0649 MW4 DR-110901 MW8D-110901 0813 Water 10915 Water 233 Water MW90-110902 08/3 Water MW70 -110902 210 Water MW70-1109020 1210 Water MW10D - 110902 1358 Water TB - 110902 1400 Water Water Water Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Poisible Hazard Mentification Point-Hazard Rammable Skin tribant Poison B Unknown Radiological

Deliverable Requested | || || || || V Other (specify) No. 2.2-4 Return To Client Special Instructions/OC Regulrements Empty Kit Relinquished by: Relanquished by J. Z. 11 Henropiahed by Received by Reinquerhed by Distanting Trais Intect: Custody Seal No. Gooter Temperature(s) *C and Other Remarks 402.4°C <u> 3 No</u>

Login Sample Receipt Checklist



Job Number: 480-9354-1

Login Number: 9354 List Number: 1

Creator: Kinecki, Kenneth

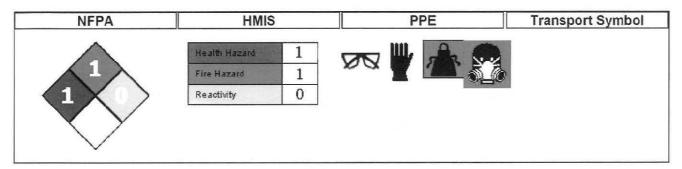
List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4 @ 2.4 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
)le collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol: for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	•
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ENVIRON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	





Material Safety Data Sheet



Issuing Date 15-Aug-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

(Acryloyloxy) ethyl n-butyl carbamate

Synonyms

Actionyl Cl 1039

Recommended Use

Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094, USA Telephone: 716-433-6764

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

Irritating to eyes, respiratory system and skin Vapors may be irritating to eyes, nose, throat, and lungs Sensitivity to light

Hazardous polymerization may occur; proper storage required

Appearance Clear, Colorless to yellow

Physical State Liquid

Odor Characteristic

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects
Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes Skin Irritating to eyes. May cause redness, itching, and pain.

Irritating to skin.

Inhalation

Irritating to respiratory system. Irritating to mucous membranes.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may

cause irritation to mucous membranes.

Chronic Effects

Avoid repeated exposure.

Aggravated Medical Conditions

Preexisting eye disorders. Respiratory disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Chemical Family Acticryl Cl 1039.

Carbamic acid derivative.

Formula

C₁₀H₁₇NO₄

Chemical Name	CAS-No	Weight %
2-Propenoic acid, 2-[[(butylamino)carbonyl]oxy]ethyl	63225-53-6	96 min.
ester		

Inhibitors have been added to stabilize this product.

4. FIRST AID MEASURES

General Advice Immediate medical attention is not required. If symptoms persist, call a physician. Show this

safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Inhalation Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist,

call a physician.

Ingestion Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person.

Do not induce vomiting. Consult a physician.

Notes to Physician

Treat symptomatically.

Protection of First-aiders

Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Combustible material: may burn but does not ignite readily.

Flash Point

> 110°C / 230°F

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry powder. Foam. Water spray.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge

None

None

Specific Hazards Arising from the Chemical

The product causes irritation of eyes, skin and mucous membranes. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA

Health Hazard 1

Flammability 1

Stability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 1

Flammability 1

Stability 0

Personal Precautions H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Methods for Containment

Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Other Information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Storage

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat. Protect from light. Keep container tightly closed. Store contents under air (not inert gas). Added inhibitors and oxygen needed to prevent polymerization.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Safety glasses with side-shields.

Long sleeved clothing. Apron. Impervious gloves.

If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local

regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing. Wash hands before breaks and at the end of workday.

Appearance

Clear. Colorless to yellow.

Odor

Characteristic.

Odor Threshold

No information available

Physical State

Liquid.

pН

Not applicable

Flash Point

> 110°C / 230°F

Autoignition Temperature

Not applicable

Decomposition Temperature

168°C

Boiling Point/Range

> 100°C / 212°F

Melting Point/Range

No information available.

Flammability Limits in Air

No information available.

Explosion Limits

No information available.

Specific Gravity

No information available.

Water Solubility

Insoluble in water.

Solubility

Organic solvents.

Evaporation Rate

No information available.

Vapor Pressure

No information available.

Vapor Density

No information available.

Density

1.07 g/cm³

VOC Content

Not applicable.

Partition Coefficient (n-

octanol/water)

No information available.

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions. Stable up to approximately 168°C. Hazardous polymerization

may occur.

Incompatible Products

Strong oxidizing agents. Free radical initiators. Oxygen scavengers.

Conditions to Avoid

Exposure to light. Exposure to UV-rays. Exposure to inert gas. To avoid thermal

decomposition, do not overheat.

Hazardous Decomposition Products May emit toxic fumes under fire conditions. Carbon oxides. Nitrogen oxides (NOx). Amines.

Hazardous Polymerization

Hazardous polymerization may occur. Inhibitors have been added to stabilize this product.

Maintaining air in the storage containers is important to keep inhibitors active.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Irritation

Irritating to eyes, respiratory system and skin.

LD50 Oral VALUE (mg/kg)

> 2000 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure.

Sensitization

No information available.

Target Organ Effects

Eyes, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Persistence and Degradability

No information available.

Bioaccumulation/ Accumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

<u>MEX</u>

Not regulated

<u>ICAO</u>

Not regulated

<u>IATA</u>

Not regulated

IMDG/IMO

Not regulated

<u>RID</u>

Not regulated

<u>ADR</u>

Not regulated

<u>ADN</u>

Not regulated

15. REGULATORY INFORMATION

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Does not Comply

EINECS/ELINCS Complies

ENCS Does not Comply
CHINA Complies
KECL Complies
PICCS Complies
AICS Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Issuing Date

15-Aug-2007

Revision Date

Revision Note

No information available

Disclaimer

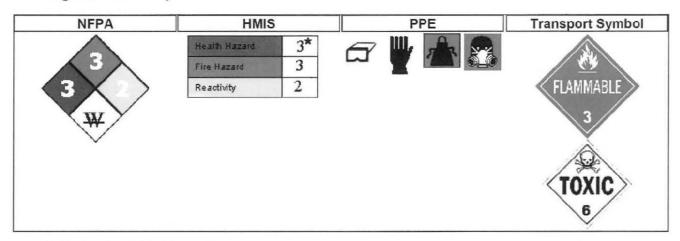
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

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VanDeMark Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet



*Indicates a chronic health hazard.

Issuing Date 28-May-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

2-Carbomethoxybenzenesulfonyl Isocyanate Solution in Xylene

UN-No

UN3080

Supplier Address

VanDeMark Chemical Inc 1 North Transit Road Lockport NY 14094 USA Telephone: 716-433-6764

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL) 1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

FLAMMABLE LIQUID AND VAPOR

Corrosive

Toxic

Harmful by inhalation, in contact with skin and if swallowed

May produce an allergic reaction

Water reactive

Appearance Clear to yellow

Physical State Liquid.

Odor Aromatic, Acrid

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk

of serious damage to eyes.

Skin Inhalation Harmful in contact with skin. Causes burns. May cause sensitization by skin contact.

Harmful by inhalation. Causes burns. May cause allergic respiratory reaction.

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May

cause additional affects as listed under "Inhalation".

Chronic Effects

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible

risks of irreversible effects.

Aggravated Medical Conditions

Allergies, Skin disorders, Respiratory disorders.

Interactions with Other Chemicals

Irritants. Sensitizers. Epoxies.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Xylenes (o-, m-, p- isomers)	1330-20-7	60-75
2-Carbomethoxybenzenesulfonyl Isocyanate	74222-95-0	25-40

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Immediate medical attention is required.. Rinse immediately with plenty of water, also under

the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Consult a physician if necessary.

Inhalation Call a physician or Poison Control Center immediately. Move to fresh air. If breathing is

difficult, give oxygen. If not breathing, give artificial respiration.

Ingestion Immediate medical attention is required. Call a physician or Poison Control Center

immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to

an unconscious person. Remove from exposure, lie down.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

> perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with

moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

Protection of First-aiders Remove all sources of ignition. Ensure that medical personnel are aware of the material(s)

involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties Flammable; may be ignited by heat, sparks or flames.

84°F / 29°C Flash Point

Suitable Extinguishing Media Carbon dioxide (CO₂). Foam. Dry powder.

Unsuitable Extinguishing Media Water.

Hazardous Combustion Products Carbon monoxide, Carbon dioxide (CO₂), Sulfur oxides, Aromatic sulfonamide.

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge

None Yes.

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Flammable. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and **Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA **Health Hazard 3** Flammability 3 Stability 2 Physical and Chemical Hazards W

Personal Protection X **HMIS Health Hazard 3*** Flammability 3 Physical Hazard 0

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal

binder, sawdust). Pick up and transfer to properly labeled containers.

Other Information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled

containers. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Tightly fitting safety goggles. Face-shield.

Protective gloves. Nitrile rubber. Impervious butyl rubber gloves. Impervious clothing. Apron. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before re-

use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor Threshold

Flash Point

Clear to yellow.

Odor

Aromatic, Acrid.

No information available

Liquid

рΗ

Not applicable

84°F / 29°C

Autoignition Temperature Boiling Point/Range

495°C / 923°F

Decomposition Temperature

No information available

144°C / 291°F

Melting Point/Range

No information available

Flammability Limits in Air

No information available

Explosion Limits

Physical State

No information available

Water Solubility Evaporation Rate Reacts with water

Solubility

No information available

No information available

Vapor Pressure

38 mmHg @ 20 °C

Vapor Density

No data available

VOC Content

70

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Incompatible Products

Strong acids, Strong bases, Water, Alcohols, Amines.

Conditions to Avoid

Heating in air. Exposure to air or moisture over prolonged periods.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide

(CO), Carbon dioxide (CO₂). Sulfur oxides. Aromatic sulfonamide.

Hazardous Polymerization

Hazardous polymerization may occur in the presence of alcohols, acids, bases and amines.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Harmful by inhalation, in contact with skin and if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylenes (o-, m-, p- isomers)	4300 mg/kg (Rat)	1700 mg/kg (Rabbit)	47635 mg/L (Rat)4 h 5000 ppm (Rat)4 h
2-Carbomethoxybenzenesulfonyl isocyanate	350 mg/kg (Rat)	500 mg/kg (Rat)	

Chronic Toxicity

Chronic Toxicity

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.

Sensitization

May cause sensitization of susceptible persons.

Target Organ Effects

Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Xylenes (o-, m-, p- isomers)		LC50= 13.4 mg/L Pimephales	EC50 = 0.0084 mg/L 24 h	LC50 = 0.6 mg/L 48 h
		promelas 96 h	1	EC50 = 3.82 mg/L 48 h
1		LC50= 16.1 mg/L Lepomis		
		macrochirus 96 h		
		LC50= 26.7 mg/L Pimephales		
		promelas 96 h		
1		LC50= 8.05 mg/L		i i
		Oncorhynchus mykiss 96 h		

Chemical Name	Log Pow
Xylenes (o-, m-, p- isomers)	3.15

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging Do not re-use empty containers.

US EPA Waste Number D001 D002

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylenes (o-, m-, p- isomers) -		Included in waste stream:		U239
1330-20-7		F039		

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Xylenes (o-, m-, p- isomers)	Toxic; Ignitable

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Isocyanate solution, toxic, flammable, n.o.s.

Hazard Class 6.1
Subsidiary Class 3
UN-No UN3080
Packing Group II

Reportable Quantity (RQ) Xylenes isomers and mixture, RQ kg = 64.85714

Description Isocyanate solutions, toxic, flammable, n.o.s. (2-carbomethoxybenzenesulfonyl isocyanate,

xylenes), 6.1, (3), UN3080, PG II RQ (Xylenes)

Emergency Response Guide

Number

155

TDG

Proper Shipping Name Isocyanate solution, toxic, flammable, n.o.s.

Hazard Class 6.1
Subsidiary Class 3
UN-No UN3080
Packing Group II

14. TRANSPORT INFORMATION

ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.(2-carbomethoxybenzenesulfonyl Description

isocyanate, xylenes),6.1,UN3080,PG II

MEX

Proper Shipping Name

Isocyanates, toxic, flammable, n.o.s.

Hazard Class Subsidiary Class

3

UN-No Packing Group

UN3080 11

6.1

Description UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate,

xylenes),6.1,II

ICAO

UN-No

UN3080

Proper Shipping Name

Isocyanate solution, toxic, flammable, n.o.s.

Hazard Class Subsidiary Class Packing Group

Description

П Isocyanate solution, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate,

xylenes),6.1(3),UN3080,PG II

IATA

UN-No

UN3080

Proper Shipping Name

Isocyanate solution, toxic, flammable, n.o.s.

Hazard Class 6.1 **Subsidiary Class** 3 **Packing Group** Ш **ERG Code** 6F

Description

UN3080,Isocyanate solution, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl

isocyanate, xylenes),6.1(3),PG II

IMDG/IMO

Proper Shipping Name

Isocyanates, toxic, flammable, n.o.s.

Hazard Class 6.1 **Subsidiary Class** 3 **UN-No** UN3080 **Packing Group** Ш EmS No. F-E. S-D

Description

UN3080, Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate,

xylenes),6.1(3),PG II

RID

Proper Shipping Name

Isocyanates, toxic, flammable, n.o.s.

Hazard Class 6.1 UN3080 **UN-No Packing Group** П **Classification Code** TF1

Description

UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate,

xylenes),6.1,II,RID

ADR/RID-Labels 6.1 + 3

ADR

Proper Shipping Name

Isocyanates, toxic, flammable, n.o.s.

Hazard Class 6.1 UN3080 **UN-No Packing Group** Ш **Classification Code** TF1

14	TRA	ΔNS	PORT	INFO	RMA'	ΓΙΟN
	117	7110		1111		

Description

UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate,

xylenes),6.1,II

ADR/RID-Labels

6.1 + 3

ADN

Proper Shipping Name

Isocyanates, toxic, flammable, n.o.s.

Hazard Class Packing Group Classification Code 6.1 П TF1

274, 551, 802 **Special Provisions**

UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, Description

xylenes),6.1,II Hazard Labels 6.1 + 3

Limited Quantity LQ17 VE01, VE02 Ventilation

15. REGULATORY INFORMATION

International Inventories

TSCA Does not Comply DSL Does not comply ENCS Does not comply **IECSC** Complies KECL Does not comply PICCS Does not comply **AICS** Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372: .

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Xylenes (o-, m-, p- isomers)	1330-20-7	60-100	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylenes (o-, m-, p- isomers)	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Xylenes (o-, m-, p- isomers)	100 lb	

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Xylenes (o-, m-, p- isomers)	X	X	X	X	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
Xylenes (o-, m-, p- isomers)		Mexico: TWA= 100 ppm
		Mexico: TWA= 435 mg/m ³
		Mexico: STEL= 150 ppm
		Mexico: STEL= 655 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B2 Flammable liquid D2A Very toxic materials E Corrosive material



Chemical Name	NPRI
Xylenes (o-, m-, p- isomers)	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Issuing Date Revision Date

28-May-2008

Revision Note

No information available

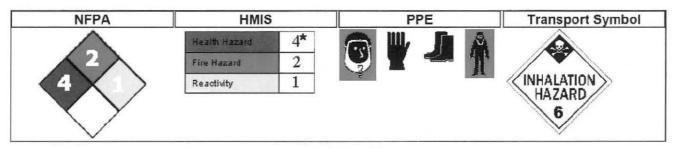
Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

VanDeMark Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet



Issuing Date 17-Jun-2009

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

4-(Trifluoromethoxy)phenyl Isocyanate

UN-No

UN3382

Recommended Use

Intermediate.

Supplier Address VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Highly toxic by inhalation
May be fatal if inhaled
May cause allergic respiratory reaction

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not

work with isocyanates.

Irritating to eyes, respiratory system and skin Risk of serious damage to eyes Harmful if absorbed through skin May cause sensitization by skin contact Harmful if swallowed

COMBUSTIBLE LIQUID AND VAPOR

Appearance Colorless to yellowish

Physical State Liquid.

Odor Pungent

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Irritating to eyes. May cause burns. Risk of serious damage to eyes.

Ingestion

Skin Harmful in contact with skin. May be absorbed through the skin in harmful amounts. Irritating to

skin. May cause sensitization by skin contact.

Inhalation Very toxic by inhalation. May be fatal if inhaled. May cause pulmonary edema. May cause

allergy or asthma symptoms or breathing difficulties if inhaled. Irritating to respiratory system. Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May

cause additional affects as listed under "Inhalation".

Chronic Effects Avoid repeated exposure. Repeated or prolonged contact causes sensitization, asthma and

eczemas. Possible risks of irreversible effects.

Aggravated Medical Conditions Respiratory disorders, Allergies, Skin disorders.

Interactions with Other Chemicals Amines. Acids. Bases. Oxidizing agents. Alcohols. Water.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Benzene, 1-isocyanato-4-(trifluoromethoxy)-	35037-73-1	>99

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Remove from exposure, lie down. Take off

contaminated clothing and shoes immediately. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

Show this safety data sheet to the doctor in attendance.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician

immediately.

Skin Contact Wash the skin immediately with polyethyleneglycol (PEG) 300/ethanol (2:1 v/v) or PEG 400

followed by washing with plenty of soap and water. Skin should be washed immediately even

when contact with the product is suspected. If skin reactions occur, contact a physician.

Inhalation Move to fresh air. Call a physician or Poison Control Center immediately. If breathing has

stopped, contact emergency medical services immediately. Administer oxygen if breathing is

difficult and you are trained.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never

give anything by mouth to an unconscious person. Call a physician immediately.

Notes to Physician Treat symptomatically. May cause sensitization of susceptible persons. Use of epinephrine

may be indicated.

inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with

a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties Combustible liquid.

Flash Point 158°F / 70°C

Suitable Extinguishing Media Use. Dry chemical, Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam. Use

extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None Yes.

Specific Hazards Arising from the

Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear

NFPA

Health Hazard 4

Flammability 2

Stability 1 Physical and Chemical

Hazards -

HMIS

Health Hazard 4*

Flammability 2

Physical Hazard 1

Personal Protection -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for Containment

Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet

to minimize spreading or contact with rain.

Methods for Cleaning Up

Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Transfer to waste container after approximately 1 hour. DO NOT SEAL container as carbon dioxide can form. Residues may be decomposed carefully by aqueous ammonia solution.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Prevent contact with skin, eyes and clothing. Prevent breathing of mist or vapors. Use only in area provided with appropriate exhaust ventilation. Make sure all pipelines, tanks and equipment are leakproof. Suck off vapors from point of discharge. Vent waste air only via suitable separators or scrubbers. Take precautions to prevent formation of explosive mixtures. Keep away from heat, sparks and open flame. No smoking. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

Storage

Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Keep away from heat and sources of ignition.

Page 3/8

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product does not contain any hazardous materials with occupational exposure limits **Exposure Guidelines**

established by the region specific regulatory bodies.

Engineering Measures Showers

> Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Tightly fitting safety goggles. Face-shield.

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Hand Protection: Gloves of Neoprene, Viton, or PVC for

splash protection only. Gloves should be changed immediately after contact with the

isocyanate. Respiratory Protection

Full face piece respirator with organic vapor/acid gas cartridge or canister. Spill Cleanup..

Wear a positive-pressure supplied-air respirator with full facepiece.

Contaminated work clothing should not be allowed out of the workplace. Remove and wash Hygiene Measures

contaminated clothing and gloves, including the inside, before re-use. When using, do not eat,

drink or smoke. Provide regular cleaning of equipment, work area and clothing.

Autoignition Temperature

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Odor Threshold

Colorless to yellowish.

Odor

Pungent. Liquid

No information available No information available

рH Flash Point 158°F / 70°C

78 °C

Decomposition Temperature Melting Point/Range

-29°C / -20.2°F

Boiling Point/Range

Physical State

No information available

182°C / 359.6°F

Flammability Limits in Air

No information available

Explosion Limits Lower

1.97% by vol

Water Solubility Evaporation Rate Vapor Density

Decomposes.

No information available No data available

Solubility Vapor Pressure No information available 22 mmHg @ 78 °C

VOC Content

100%

Density

1.346 @ 20°C

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions. Reacts with water.

Incompatible Products

Water. Acids. Oxidizing agents. Bases. Alcohols. Amines.

Conditions to Avoid

Protect from moisture. Heat, flames and sparks.

Hazardous Decomposition Products Emits toxic gases/vapors under fire conditions and in contact with water. Hydrogen cyanide.

Hydrogen fluoride. Nitrogen oxides (NOx). Carbon oxides.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral VALUE (mg/kg)

LD50 Dermal VALUE

1525 mg/kg (female, rate) - 2170 mg/kg (male, rat) 270 mg/kg (rat, male) - 680 mg/kg (rat,female), 24 h exposure

LC50 Inhalation (VAPOR) VALUE

0.023 - 0.069 (rat) mg/l [2.7 - 8.2 ppm], 4 h exposure

Inhalation Ve

Very toxic by inhalation. May be fatal if inhaled. Contact with moist mucous membranes of the respiratory system can cause burns and lung damage. May cause pulmonary edema. May

cause sensitization of susceptible persons.

Eye Contact

Severely irritating to eyes. Corrosive to the eyes and may cause severe damage including

blindness.

Skin Contact

Harmful in contact with skin. May be absorbed through the skin in harmful amounts. Irritating to

skin. May cause sensitization of susceptible persons.

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May

cause additional affects as listed under "Inhalation".

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure. Repeated or prolonged contact causes sensitization, asthma and

eczemas. Possible risks of irreversible effects.

Sensitization

Skin sensitizer in guinea pig. May cause sensitization of susceptible persons. May cause

sensitization by inhalation and skin contact. Isocyanates are known to be strong sensitizers.

Target Organ Effects

Respiratory system, Skin, Eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated. Do not release to air, waters, or soil.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzene, 1-isocyanato-4-		56.2 mg/l 96 hr Brachydanio	>1000 mg/l (w/activated	
(trifluoromethoxy)-		rerio	słudge)	l .
		·		

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Should not be released into the environment. This material, as supplied, is a hazardous waste

according to federal regulations (40 CFR 261).

Contaminated Packaging

Wash packaging with alkaline solution. Incinerate in a RCRA licensed facility. Dispose of in

accordance with local regulations.

US EPA Waste Number

D003

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION

Forbidden for cargo aircraft and passenger air and rail Note

DOT

Proper Shipping Name

Toxic by inhalation liquid, n.o.s.

Hazard Class UN-No

6.1 UN3382

Packing Group

Description UN3382, Toxic by inhalation liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,,PG

I, Posion Inhalation Hazard, Zone B

Emergency Response Guide

Number

TDG

Proper Shipping Name

Toxic by inhalation liquid, n.o.s.

Hazard Class UN-No

UN3382

Packing Group

Description

UN3382, Toxic by inhalation liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,,PG

MEX

Proper Shipping Name

Toxic by inhalation liquid, n.o.s.

Hazard Class UN-No

6 1 UN3382

Packing Group

Description UN3382, Toxic by inhalation liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,,PG

ICAO

UN3382 **UN-No**

Proper Shipping Name Toxic by inhalation liquid, n.o.s.

Hazard Class 6.1

Description Forbidden

IATA

UN-No UN3382

Toxic by inhalation liquid, n.o.s. **Proper Shipping Name**

Hazard Class 6.1 **ERG Code** 6L Description Forbidden

IMDG/IMO

Proper Shipping Name Toxic by Inhalation Liquid, n.o.s.

Hazard Class 6.1 **Subsidiary Class UN-No** UN3382 **Packing Group**

EmS No. F-A, S-A

Description UN3382, Toxic by Inhalation Liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-

),6.1(+),PG I

RID

Proper Shipping Name

Toxic by inhalation liquid, n.o.s.

Hazard Class 6.1 UN3382 **UN-No Packing Group** 1

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14. TRANSPORT INFORMATION

Classification Code T1 OR T4

Description UN3382 Toxic by inhalation liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-

),6.1,I,RID

ADR/RID-Labels 6.1

ADR

Proper Shipping Name

Toxic by inhalation liquid, n.o.s.

Hazard Class 6.1 **UN-No** UN3382

Packing Group Classification Code T1 or T4

Description UN3382 Toxic by inhalation liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,I

ADN

Proper Shipping Name

Toxic by inhalation liquid, n.o.s.

Hazard Class 6.1 **Packing Group Classification Code** T1 or T4 274, 802 **Special Provisions**

Description UN3382 Toxic by inhalation liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,I

Hazard Labels Limited Quantity LQ0 Ventilation VE02

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL Not listed NDSL Complies EINECS Complies **ELINCS** Not listed **ENCS** Does not comply **IECSC** Does not comply **KECL** Does not comply **PICCS** Does not comply **AICS** Does not comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes **Chronic Health Hazard** Yes Fire Hazard Yes Sudden Release of Pressure Hazard Nα

Reactive Hazard

Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade

Moderate risk, Grade 2

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials D2A Very toxic materials B3 Combustible liquid



16. OTHER INFORMATION

Issuing Date Revision Date 17-Jun-2009

Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

VanDeMark

Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 27-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name

Amide Chloride

UN-Number

UN2923

Recommended Use

Chemical intermediate

Synonyms

Vilsmeier Reagent, N,N-Dimethylchloromethyliminium Chloride

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Emergency Telephone

Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes. Harmful by inhalation, in contact with skin and if swallowed Contains a known or suspected reproductive toxin May cause harm to the unborn child Reacts violently with water Moisture sensitive

Appearance White

Physical State Solid, Crystalline.

Odor Acrid, Ammoniacal

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Eye contact. Skin contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk

of serious damage to eyes.

Skin

Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact

with skin.

Inhalation Ingestion

Harmful by inhalation. Corrosive to nose, throat and respiratory tract

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

Possible risks of irreversible effects. Avoid repeated exposure.

Aggravated Medical Conditions

Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name

Vilsmeier Reagent. C3H7C12N

Formula

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	90-95
Dimethylformamide	68-12-2	5-10

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician or Poison Control Center immediately.

Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Ingestion

> Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

> perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim

under observation. Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-

to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce

corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas.

Containers may explode when heated.

Flash Point 200°F / > 93°C

Carbon dioxide (CO2). Dry powder. Dry chemical. Move containers from fire area if you can do Suitable Extinguishing Media

it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact None Sensitivity to Static Discharge

None

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes.

Protective Equipment and Precautions for Firefighters Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear

self-contained breathing apparatus and full protective gear.

NFPA

Health Hazard 3

Flammability 0

Instability 0

Physical and Chemical

Hazards W

HMIS

Health Hazard 3*

Flammability 0

Physical Hazard 0

Personal Protection G

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

Methods for Containment

Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Prevent dust cloud.

Methods for Cleaning Up

Prevent product from entering drains. Sweep up and shovel into suitable containers for

disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Other Information

DO NOT GET WATER on spilled substance or inside containers. Refer to protective measures

listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when

using this product. Avoid dust formation. Reacts violently with water.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store contents under nitrogen Keep away from

heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

Revision Date 29-Jul-2011 WPS-VDM-004 - Amide Chloride

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide	TWA: 10 ppm	TWA: 10 ppm	IDLH: 500 ppm
68-12-2	S*	TWA: 30 mg/m ³	TWA: 10 ppm
		(vacated) TWA: 10 ppm	TWA: 30 mg/m ³
		(vacated) TWA: 30 mg/m ³	_
}		(vacated) S*	

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection **Respiratory Protection**

Tightly fitting safety goggles. Face-shield. No special protective equipment required.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product.. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor

Appearance

Odor Threshold

Specific Gravity

нα Flash Point White.

No information available

Not applicable

No information available.

Melting Point/Range

Decomposition Temperature

Flammability Limits in Air

200°F / > 93°C

139-141°C / 282-286°F

No information available.

0.756

Water Solubility

Autoignition Temperature

Boiling Point/Boiling Range

Physical State

Explosion Limits No information available.

> Reacts with water (Very hygroscopic)

Solubility Chloroform Vapor Pressure

VOC Content (%)

1 hPa @ 20°C 5%

Evaporation Rate Vapor Density

No information available No data available

Acrid, Ammoniacal.

No information available.

Solid Crystalline

Not applicable

Revision Date 29-Jul-2011 WPS-VDM-004 - Amide Chloride

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to

moisture. Reacts violently with water.

Incompatible Products

Water. Alcohols. Amines. Bases.

Conditions to Avoid

Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamid,

Carbon oxides., Nitrogen oxides (NOx).

Hazardous Reactions

Reacts violently with water.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:

200-466 mg/kg (rat)

LD50 Dermal:

>2000 mg/kg (rat)

Inhalation

Harmful by inhalation.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye

damage.

Skin Contact

Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous

membranes. Causes severe skin burns.

Ingestion

Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Chronic Toxicity

Possible risks of irreversible effects. Avoid repeated exposure.

Carcinogenicity

Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization

No information available.

Mutagenic Effects

No information available.

Reproductive Toxicity

May cause harm to the unborn child.

Developmental Toxicity

May be a developmental hazard based on animal data.

Target Organ Effects

Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.

Neurological Effects

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available. Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L	LC50 96 h: = 10410 mg/L	EC50 = 2000 mg/L 5 min	EC50 48 h: 6800 - 13900
	(Desmodesmus subspicatus)	flow-through (Pimephales	EC50 = 570 mg/L 240 h	mg/L Static (Daphnia magna)
		promelas)	_	EC50 48 h: = 7500 mg/L
		LC50 96 h: = 6300 mg/L		(Daphnia magna)
		(Lepomis macrochirus)		EC50 48 h: = 8485 mg/L
		LC50 96 h: = 9800 mg/L flow-	·	semi-static (Daphnia magna)
		through (Oncorhynchus		
	ļ	mykiss)		

Persistence and Degradability

No product level data available. For Dimethyl formamide. : BOD5 = 0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water. For Dimethyl formamide: BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002 D003 WPS-VDM-004 - Amide Chloride Revision Date 29-Jul-2011

14. TRANSPORT INFORMATION

DOT

UN-Number UN2923

Proper shipping name Corrosive solids, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group

Description UN2923, Corrosive solids, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride),8,(6.1),PG

II 154

Emergency Response Guide

Number

TDG

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class (6.1)
Packing Group

Description UN2923,CORROSIVE SOLID, TOXIC, N.O.S.(N,N-Dimethylchloromethyliminium Chloride

),8(6.1),PG II

MEX

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

<u>ICAO</u>

UN-Number UN2923

Proper shipping name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group ||

Description UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

<u>IATA</u>

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II
ERG Code 8P

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

IMDG/IMO

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Page 7/10

Hazard Class 8
Subsidiary Class 6.1
Packing Group II
EmS No. F-A, S-B

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

RID

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

ADR/RID-Labels 8 + 6.1

ADR

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group !!
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)

ADR/RID-Labels 8 + 6.1

ADN

UN-No UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2
Special Provisions 274, 802

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

Hazard Labels 8 + 6.1 Limited Quantity LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL Complies; All components are listed either on the DSL or NDSL.

EINECS Complies
ENCS Does not comply

IECSC Does not comply
KECL Does not comply
PICCS Does not comply
AICS Does not comply
Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINGS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	10-30	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Na
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials E Corrosive material



Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd.

Latham, NY 12110 1-800-572-6501

Issuing Date

27-Jul-2007

Revision Date

29-Jul-2011

Revision Note

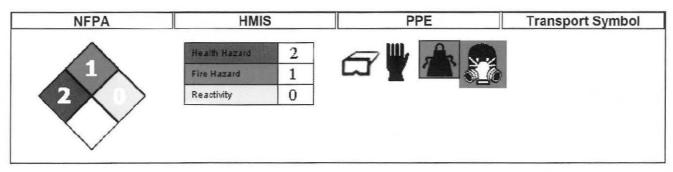
Update to Format. (M)SDS sections updated. 1. 15. 16.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Material Safety Data Sheet



Issuing Date 14-Aug-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Avanel n 1525-90

Synonyms

None

Recommended Use

Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094, USA Telephone: 716-433-6764

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

Severe eye irritation Irritating to skin

Appearance Pale yellow

Physical State Liquid

Odor Mild

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Eye contact, Skin contact.

Acute Toxicity

Eyes Skin Severely irritating to eyes. Risk of serious damage to eyes.

Irritating to skin.

Inhalation Ingestion No known effect based on information supplied Ingestion may cause stomach discomfort.

Page 1/7

Chronic Effects

No information available.

Aggravated Medical Conditions

Preexisting eye disorders. Skin disorders.

Interactions with Other Chemicals

None known.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

No information available..

Formula Proprietary

Chemical Name	CAS-No	Weight %
Avanel N 1525-90	Proprietary	98-100

4. FIRST AID MEASURES

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye

wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact

Wash off immediately with plenty of water. If skin irritation persists, call a physician.

Inhalation

Move to fresh air.

Ingestion

Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious

person. Do not induce vomiting. Consult a physician.

Notes to Physician

Treat symptomatically

Protection of First-aiders

Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Not flammable

Flash Point

> 149°C / 300°F

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO₂). Foam.

Explosion Data

Sensitivity to mechanical impact

None

Sensitivity to static discharge

None

Specific Hazards Arising from the Chemical

In the event of fire and/or explosion do not breathe fumes. The product causes irritation of eyes, skin and mucous membranes. In the event of fire, cool tanks with water spray.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA

Health Hazard 2

Flammability 1

Stability 0

Physical and Chemical

Hazards -

<u>HMIS</u>

Health Hazard 2

Flammability 1

Stability 0

Personal Precautions H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation.

Methods for Containment

Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Other Information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Keep away from direct sunlight. Keep in properly labeled containers. Store at ambient conditions. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Tightly fitting safety goggles.

Long sleeved clothing. Chemical resistant apron. Impervious gloves. Full face piece respirator with organic vapor/acid gas cartridge or canister.

Hygiene Measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and

clothing. Wash hands before breaks and at the end of workday.

WPS-VDM-014 - Avanel n 1525-90 **Revision Date**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Pale yellow

Odor

Mild.

Odor Threshold

No information available

Physical State

Liquid

pН

No information available.

Flash Point

> 149°C / 300°F

Autoignition Temperature

Not applicable

Decomposition Temperature

No information available.

Boiling Point/Range

149°C / 300°F

Melting Point/Range

No information available.

Flammability Limits in Air

No information available.

Explosion Limits

No information available.

Specific Gravity

1.050 @ 25°C

Water Solubility

Soluble in water

Solubility

No information available.

Evaporation Rate

No information available.

Vapor Pressure

> 1 mmHg @ 25°C

Vapor Density

> 1 (Air=1)

VOC Content

Not applicable.

Partition Coefficient (noctanol/water)

No data available

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Incompatible Products

Strong bases. Metal oxides. Hydroxides. Amines. Carbonates. Alkaline. Cyanides. Sulfides.

Sulfites. Formaldehyde.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Hazardous Decomposition Products Hydrogen chloride. Carbon oxides.

Hazardous Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Irritation

Severe eye irritant. Irritating to skin.

Chronic Toxicity

Chronic Toxicity

No information available.

Target Organ Effects

Eyes, Skin.

WPS-VDM-014 - Avanel n 1525-90 Revision Date

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Persistence and Degradability

No information available.

Bioaccumulation/ Accumulation

No information available.

Mobility

Will likely be mobile in the environment due to its water solubilty

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

<u>IATA</u> Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade

Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Issuing Date

14-Aug-2007

Revision Date

Revision Date

Revision Note

No information available

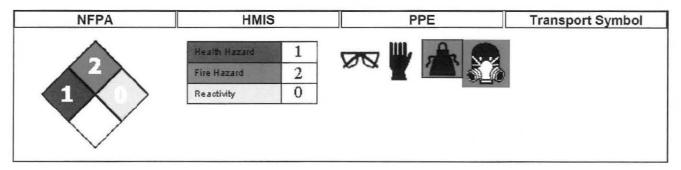
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End of MSDS



Material Safety Data Sheet



Issuing Date 14-Aug-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Avanel n 925

Synonyms

None

Recommended Use

Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094, USA Telephone: 716-433-6764

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

COMBUSTIBLE LIQUID AND VAPOR
May be harmful if swallowed
May cause skin and eye irritation
May cause irritation of respiratory tract

Appearance White

Physical State Liquid, Suspension

Odor Mild

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Contact with eyes may cause irritation.

WPS-VDM-013 - Avanel n 925 **Revision Date**

Skin May cause eye/skin irritation. Substance may cause slight skin irritation.

Inhalation May cause irritation of respiratory tract.

May be harmful if swallowed. Ingestion may cause irritation to mucous membranes. Ingestion

Chronic Effects No information available.

Aggravated Medical Conditions Preexisting eye disorders. Skin disorders.

Interactions with Other Chemicals None known.

Environmental Hazard See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

No information available..

Formula Proprietary

Chemical Name	CAS-No	Weight %
Avanel N 925	Proprietary	95-100

4. FIRST AID MEASURES

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Inhalation Move to fresh air.

Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious Ingestion

person. Do not induce vomiting. Consult a physician.

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties Combustible material: may burn but does not ignite readily.

Flash Point Approximately - 93°C / 200°F

Suitable Extinguishing Media Use: Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol-resistant foam.

Hazardous Combustion Products Hydrogen chloride, Carbon oxides.

Explosion Data

Sensitivity to mechanical impact None Sensitivity to static discharge

None

Specific Hazards Arising from the Chemical

Combustible material. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. The product causes irritation of eyes, skin and mucous membranes. In the event of fire, cool tanks with water spray.

WPS-VDM-013 - Avanel n 925 Revision Date

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA

Health Hazard 1

Flammability 2

Stability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 1

Flammability 2

Stability 0

Personal Precautions H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of

ignition.

Methods for Containment

Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Other Information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight. Keep in properly labeled containers. Store at ambient conditions. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin and Body Protection Respiratory Protection

Long sleeved clothing. Chemical resistant apron. Impervious gloves. Full face piece respirator with organic vapor/acid gas cartridge or canister.

Hygiene Measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and

clothing. Wash hands before breaks and at the end of workday.

WPS-VDM-013 - Avanel n 925 **Revision Date**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

White

Odor

Mild.

Odor Threshold

No information available

Physical State

Liquid Suspension

pН

No information available.

Flash Point

Approximately - 93°C / 200°F

Autoignition Temperature

Not applicable

Decomposition Temperature

No information available.

Boiling Point/Range

> 149°C / 300°F

Melting Point/Range

No information available.

Flammability Limits in Air

No information available.

Explosion Limits

No information available.

Specific Gravity

1.007

Water Solubility

Insoluble in water

Solubility

No information available.

Evaporation Rate

No information available.

Vapor Pressure

< 1 mm Hg @ 25°C

Vapor Density

> 1 (Air=1)

VOC Content

Not applicable.

Partition Coefficient (n-

No data available

octanol/water)

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Incompatible Products

Strong bases, Metal oxides. Hydroxides. Amines. Carbonates. Alkaline. Cyanides. Sulfides.

Sulfites. Formaldehyde.

Conditions to Avoid

Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and

sources of ignition.

Hazardous Decomposition Products Hydrogen chloride. Carbon oxides.

Hazardous Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

May be harmful if swallowed.

Irritation

May cause skin and eye irritation. May cause irritation of respiratory tract.

LD50 Oral:

> 500 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity

No information available.

Target Organ Effects

Eyes, Skin, Respiratory system.

Page 4/7

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Persistence and Degradability

No information available.

Bioaccumulation/ Accumulation

Unknown. Material may have some potential to bioaccumulate.

Mobility

Is predicted to have low mobility in the environment

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

<u>DOT</u>

Not regulated

TDG

Not regulated

<u>MEX</u>

Not regulated

<u>ICAO</u>

Not regulated

<u>IATA</u>

Not regulated

IMDG/IMO

Not regulated

RID

Not regulated

<u>ADR</u>

Not regulated

<u>ADN</u>

Not regulated

15. REGULATORY INFORMATION

International Inventories

WPS-VDM-013 - Avanel n 925 Revision Date

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid



16. OTHER INFORMATION

Issuing Date 14-Aug-2007

Revision Date

WPS-VDM-013 - Avanel n 925 Revision Date

Revision Note

No information available

Disclaimer

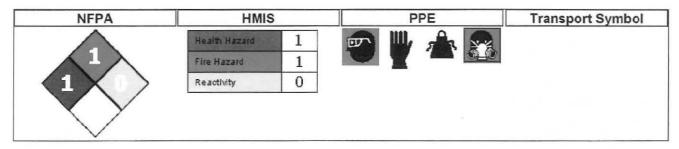
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End of MSDS

VanDeMark

Material Safety Data Sheet

Phosgene Chemistry . Custom Chemicals



Issuing Date No data available

Revision Date

Revision Number 0

PRODUCT AND COMPANY IDENTIFICATION

Product Name

Avanel N-374

Synonyms

None.

Recommended Use

Surfactant.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Emergency Telephone Number

Chemtrec: 1-800-424-9300 for US/703-527-3887 outside US

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May cause skin and eye irritation

Appearance Clear

Physical State Liquid

Odor Mild, Sweet

Potential Health Effects

Acute Toxicity

Eyes

May cause irritation.

Skin

May cause skin irritation and/or dermatitis.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

No information available.

Aggravated Medical Conditions

None known.

Environmental Hazard

See Section 12 for additional Ecological Information.

WPS-VDM-024 - Avanel N-374 Revision Date

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

No information available.

Formula

C₁₄H₂₉ClO₃

Chemical Name	CAS-No	Weight %
Trade Secret	Proprietary	60-100

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult

a physician.

Skin Contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an

unconscious person. Consult a physician.

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Not flammable.

Flash Point

150°C / 302°F

Suitable Extinguishing Media

Carbon dioxide (CO_2). Dry chemical. Foam. Water spray.

Hazardous Combustion Products

Hydrogen chloride, Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

NFPA

Health Hazard 1

Flammability 1

Stability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 1

Flammability 1

Stability 0

Personal Precautions X

Revision Date WPS-VDM-024 - Avanel N-374

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Keep people away from and

upwind of spill/leak.

Methods for Containment Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Other Information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin,

eyes and clothing. Wear personal protective equipment.

Keep away from heat. Keep away from direct sunlight. Keep at temperatures below 40 °C / 44 Storage

°F. Shelf life 6 months. Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Measures Showers

Evewash stations Ventilation systems

Personal Protective Equipment

Eve/Face Protection Skin and Body Protection **Respiratory Protection**

Safety glasses with side-shields. Wear protective gloves/clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures Handle in accordance with good industrial hydiene and safety practice. Provide regular

cleaning of equipment, work area and clothing. Remove and wash contaminated clothing

Autoignition Temperature

Boiling Point/Range

before re-use. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear Odor Mild, Sweet **Odor Threshold** No information available **Physical State** Liquid

pΗ No information available

Flash Point 150°C / 302°F

Decomposition Temperature No information available No information available

Melting Point/Range

Flammability Limits in Air

Specific Gravity 0.99 @ 25°C

Solubility Vapor Pressure **VOC Content**

No information available No data available Not applicable

No information available

Water Solubility Evaporation Rate Vapor Density

Explosion Limits

No information available >300°C / >572°F

No information available

Insoluble in water

No information available No data available

WPS-VDM-024 - Avanel N-374 Revision Date

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Incompatible Products

Strong bases. Metal oxides. Hydroxides. Amines. Carbonates. Cyanides. Sulfides. Sulfites.

Formaldehyde.

Conditions to Avoid

None known based on information supplied.

Hazardous Decomposition Products Hydrogen chloride gas. Carbon dioxide (CO2).

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Irritation

May cause skin and eye irritation.

Chronic Toxicity

Chronic Toxicity

No information available.

Target Organ Effects

Eyes, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

MEX

Not regulated

ICAO

Not regulated

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WPS-VDM-024 - Avanel N-374 Revision Date

14. TRANSPORT INFORMATION

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



Revision Date WPS-VDM-024 - Avanel N-374

16. OTHER INFORMATION

Revision Date

Revision Note

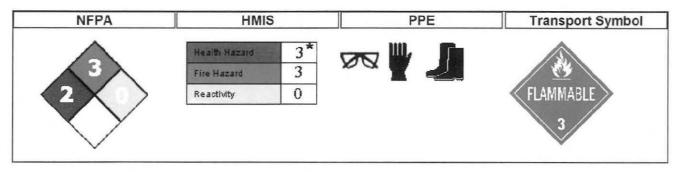
No information available

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS



Material Safety Data Sheet



Issuing Date 13-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Benzyl Carbazate

UN-No

UN1993

Synonyms

Hydrazinecarboxylic acid, phenylmethyl ester

Recommended Use

Pesticide Intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number

Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Severe eye irritation
Risk of serious damage to eyes
Harmful if swallowed
Harmful: may cause lung damage if swallowed.
Vapors may be irritating to eyes, nose, throat, and lungs
May cause skin irritation and/or dermatitis
May cause central nervous system depression
FLAMMABLE LIQUID AND VAPOR

Appearance Clear to Light Yellow

Physical State Slurry @20 °C; Liquid @ 49 °C Odor Aromatic, Solvent

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects
Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes Severely irritating to eyes. Causes burns.

Skin Irritating to skin.

Inhalation May cause irritation of respiratory tract. May cause central nervous system depression with

nausea, headache, dizziness, vomiting, and incoordination. Aspiration into lungs can produce severe lung damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Please see Section 11. Toxicological Information for further

information.

Ingestion Harmful if swallowed. Potential for aspiration if swallowed. Ingestion may cause irritation to

mucous membranes. May cause additional affects as listed under "Inhalation".

Chronic Effects Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling

contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has

caused adverse fetal development effects.

Aggravated Medical Conditions Central nervous system. Respiratory disorders. Liver disorders. Kidney disorders. Skin

disorders. Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Taluene	108-88-3	55-65
Benzyl carbazate	5331-43-1	35-45

4. FIRST AID MEASURES

General Advice Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

Skin Contact Wash off immediately with plenty of water. Wash skin with soap and water. Remove and wash

contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician. Apply artificial respiration if victim is not

breathing. If breathing has stopped, contact emergency medical services immediately. Avoid

direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion Rinse mouth. Drink plenty of water. Do not induce vomiting. Clean mouth with water and

afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give

anything by mouth to an unconscious person. Call a physician immediately.

Notes to Physician Treat symptomatically. Keep victim warm and quiet.

Protection of First-aiders

Remove all sources of ignition. Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flammable; may be ignited by heat, sparks or flames. Containers may explode when heated.

Many liquids are lighter than water.

Flash Point

< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)

Suitable Extinguishing Media

Use:. Dry chemical. Carbon dioxide (CO₂). Alcohol-resistant foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire, CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None Yes.

Specific Hazards Arising from the

Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear

NFPA

Health Hazard 2

Flammability 3

Stability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 3*

Flammability 3

Stability 0

Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Methods for Containment

A vapor suppressing foam may be used to reduce vapors. Dike far ahead of liquid spill for later disposal. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers

Methods for Cleaning Up

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Use clean non-sparking tools to collect absorbed material.

Other Information

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Keep away from heat, sparks and open flame. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Storage

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene	TWA: 20 ppm	TWA: 200 ppm	IDLH: 500 ppm
108-88-3		(vacated) TWA: 100 ppm	TWA: 100 ppm
		(vacated) TWA: 375 mg/m ³	TWA: 375 mg/m ³
		(vacated) STEL: 150 ppm	STEL: 150 ppm
		(vacated) STEL: 560 mg/m ³	STEL: 560 mg/m ³
		Ceiling: 300 ppm	•

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection **Skin and Body Protection** Tightly fitting safety goggles. Face-shield.

Wear protective gloves/clothing. Lightweight protective clothing. Antistatic boots. Protective

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and

clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear to Light Yellow

Odor

Aromatic, Solvent

Odor Threshold

No information available

Physical State

Slurry @20 °C; Liquid @ 49 °C

pН

Not applicable

Flash Point

< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)

Autoignition Temperature

No information available

Decomposition Temperature

No information available

Boiling Point/Range

No information available

Melting Point/Range

69-70°C (Benzyl carbazate)

Flammability Limits in Air

No information available

Explosion Limits

No information available

Water Solubility

Immiscible in water

Solubility

No information available

Evaporation Rate

No information available

Vapor Pressure

No data available

Vapor Density

No data available

VOC Content

Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Incompatible Products

Strong oxidizing agents. Strong acids. Chlorinated compounds.

Conditions to Avoid

Heating in air. Heat, flames and sparks.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Draize test Rabbit- 57 mg/24 H-severe

TDLO Oral-rat- 980 mg/kg/28 with impaired liver function test; methemoglobinemia and

changes in blood counts and changes in cell counts

Irritation

Severe eye irritant. Causes severe irritation and or burns.

Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling

contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has

caused adverse fetal development effects.

Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

Target Organ Effects Central nervous system (CNS), Eyes, Kidney, Liver, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Toluene	EC50 > 433 mg/L 96 h	LC50= 13 mg/L Lepomis macrochirus 96 h	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h EC50 = 310 mg/L 48 h
		LC50= 24.0 mg/L Lepomis macrochirus 96 h		
		LC50= 24.0 mg/L		
		Oncorhynchus mykiss 96 h		
		LC50= 25 mg/L Pimephales promelas 96 h		

Chemical Name	Log Pow
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging Dispose of in accordance with local regulations

US EPA Waste Number D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable liquids, n.o.s.

Hazard Class 3 UN-No UN1993 Packing Group II

Reportable Quantity (RQ) Toluene, RQ kg= 825.4545

Description Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II,RQ

TDG

Proper Shipping Name Flammable liquid, n.o.s.

Hazard Class 3 UN-No UN1993 Packing Group II

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14. TRANSPORT INFORMATION

Description

FLAMMABLE LIQUID, N.O.S.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

MEX

Proper Shipping Name

Flammable liquids, n.o.s.

Hazard Class

UN-No Packing Group UN1993 П

Description

UN1993 Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ICAO

UN-No

UN1993

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class Packing Group

11

Description

Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

IATA

UN-No

UN1993

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class Packing Group

П

ERG Code

3H

Description

UN1993,Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,PG II

IMDG/IMO

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class Subsidiary Class

3

UN-No Packing Group UN1993

EmS No.

11

F-E. S-E

Description

UN1993, Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3(+),PG II

<u>RID</u>

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class

UN-No

UN1993

Packing Group

П

Classification Code

F1

Description

UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II,RID

ADR/RID-Labels

ADR

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class

UN-No

UN1993

Packing Group Classification Code Ш

Description

UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ADN

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class Packing Group

П

14. TRANSPORT INFORMATION

Classification Code

F1

Special Provisions Description 274, 330, 601, 640C

Hazard Labels Limited Quantity

Ventilation

UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

3 LQ4 VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL/NDSL Complies **EINECS/ELINCS** Complies Complies ENCS **IECSC** Complies **KECL** Does not Comply Does not Comply **PICCS AICS** Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	55	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Toluene	1000 lb	

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Taluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	Х	X	X

International Regulations

Mexico - Grade

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm
		Mexico: TWA= 188 mg/m³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid D2A Very toxic materials



Chemical Name	NPRI
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16.	OTHER	INFORMATION	

Issuing Date

13-Mar-2008

Revision Date

Revision Note

No information available

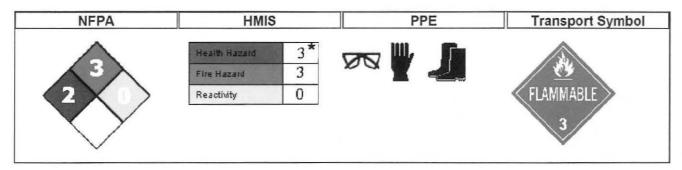
Disclaimer

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End of MSDS



Material Safety Data Sheet



Issuing Date 13-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Benzyl Carbazate

UN-No

UN1993

Synonyms

Hydrazinecarboxylic acid, phenylmethyl ester

Recommended Use

Pesticide Intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number

Chemtreo: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Severe eye irritation
Risk of serious damage to eyes
Harmful if swallowed
Harmful: may cause lung damage if swallowed.
Vapors may be irritating to eyes, nose, throat, and lungs
May cause skin irritation and/or dermatitis
May cause central nervous system depression

FLAMMABLE LIQUID AND VAPOR

Appearance Clear to Light Yellow

Physical State Slurry @20 °C; Liquid @ 49 °C Odor Aromatic, Solvent

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Severely irritating to eyes. Causes burns.

Skin

Inhalation

May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Aspiration into lungs can produce severe lung damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Please see Section 11. Toxicological Information for further

information.

Irritating to skin.

Ingestion

Harmful if swallowed. Potential for aspiration if swallowed. Ingestion may cause irritation to

mucous membranes. May cause additional affects as listed under "Inhalation".

Chronic Effects

Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Aggravated Medical Conditions

Central nervous system. Respiratory disorders. Liver disorders. Kidney disorders. Skin

disorders. Use of alcoholic beverages may enhance toxic effects.

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	55-65
Benzyl carbazate	5331-43-1	35-45

4. FIRST AID MEASURES

General Advice

Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

Skin Contact

Wash off immediately with plenty of water. Wash skin with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation

Move to fresh air. If symptoms persist, call a physician. Apply artificial respiration if victim is not breathing. If breathing has stopped, contact emergency medical services immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion

Rinse mouth. Drink plenty of water. Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

Notes to Physician

Treat symptomatically. Keep victim warm and quiet.

Protection of First-aiders

Remove all sources of ignition. Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flammable; may be ignited by heat, sparks or flames. Containers may explode when heated.

Many liquids are lighter than water.

Flash Point

< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)

Suitable Extinguishing Media

Use:. Dry chemical. Carbon dioxide (CO₂). Alcohol-resistant foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire, CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None Yes.

Specific Hazards Arising from the

Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear

NFPA

Health Hazard 2

Flammability 3

Stability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 3*

Flammability 3

Stability 0

Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Methods for Containment

A vapor suppressing foam may be used to reduce vapors. Dike far ahead of liquid spill for later disposal. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Cleaning Up

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Use clean non-sparking tools to collect absorbed material.

Other Information

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Keep away from heat, sparks and open flame. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Storage

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene	TWA: 20 ppm	TWA: 200 ppm	1DLH: 500 ppm
108-88-3		(vacated) TWA: 100 ppm	TWA: 100 ppm
		(vacated) TWA: 375 mg/m ³	TWA: 375 mg/m ³
		(vacated) STEL: 150 ppm	STEL: 150 ppm
		(vacated) STEL: 560 mg/m ³	STEL: 560 mg/m ³
		Ceiling: 300 ppm	_

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection

Tightly fitting safety goggles. Face-shield.

Wear protective gloves/clothing. Lightweight protective clothing. Antistatic boots. Protective

gloves.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and

clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear to Light Yellow

Odor

Aromatic, Solvent

Odor Threshold

No information available

Physical State

Slurry @20 °C; Liquid @ 49 °C

pН

Not applicable

Flash Point

< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene) **Autoignition Temperature**

No information available

Decomposition Temperature

No information available

Boiling Point/Range

No information available

Melting Point/Range

69-70°C (Benzyl carbazate)

Flammability Limits in Air

No information available

Explosion Limits

No information available

Water Solubility

Immiscible in water

Solubility

No information available

Evaporation Rate

No information available

Vapor Pressure

No data available

Vapor Density

No data available

VOC Content

Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Incompatible Products

Strong oxidizing agents. Strong acids. Chlorinated compounds.

Conditions to Avoid

Heating in air. Heat, flames and sparks.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Draize test Rabbit- 57 mg/24 H-severe

TDLO Oral-rat- 980 mg/kg/28 with impaired liver function test; methemoglobinemia and

changes in blood counts and changes in cell counts

Irritation

Severe eye irritant. Causes severe irritation and or burns.

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Reproductive Toxicity

Product is or contains a chemical which is a known or suspected reproductive hazard.

Target Organ Effects

Central nervous system (CNS), Eyes, Kidney, Liver, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Toluene	EC50 > 433 mg/L 96 h	LC50= 13 mg/L Lepomis	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h
		macrochirus 96 h	·	EC50 = 310 mg/L 48 h
		LC50= 24.0 mg/L Lepomis		1
		macrochirus 96 h		
		LC50= 24.0 mg/L		1
		Oncorhynchus mykiss 96 h		i
		LC50= 25 mg/L Pimephales		
		promelas 96 h		

Chemical Name	Log Pow
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging

Dispose of in accordance with local regulations

US EPA Waste Number

D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

Flammable liquids, n.o.s.

Hazard Class

UN1993

UN-No Packing Group

II

Reportable Quantity (RQ)

Toluene, RQ kg= 825.4545

Description

Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II,RQ

TDG

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class UN-No

UN1993

Packing Group

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14. TRANSPORT INFORMATION

Description

FLAMMABLE LIQUID, N.O.S.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

<u>MEX</u>

Proper Shipping Name

Flammable liquids, n.o.s.

Hazard Class UN-No

UN1993

Packing Group

II

Description

UN1993 Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ICAO

UN-No

UN1993

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class

3 ||

Packing Group Description

Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

<u>IATA</u>

UN-No

UN1993

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class
Packing Group
ERG Code

11 3H

Description

UN1993,Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,PG II

IMDG/IMO

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class Subsidiary Class

3 + UN1993

UN-No Packing Group

!I F-E, S-E

EmS No. Description

UN1993, Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3(+),PG II

RID

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class UN-No Packing Group

ADR/RID-Labels

ŬN1993 II

Classification Code
Description

F1 UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II,RID

3

<u>ADR</u>

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class
UN-No
Packing Group
Classification Code

UN1993 II

Classification Code F

Description UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,ll

<u>ADN</u>

Proper Shipping Name

Flammable liquid, n.o.s.

Hazard Class
Packing Group

II

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14. TRANSPORT INFORMATION

Classification Code

Special Provisions 274, 330, 601, 640C

Description UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

Hazard Labels 3
Limited Quantity LQ4
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL/NDSL Complies **EINECS/ELINCS** Complies Complies **ENCS IECSC** Complies Does not Comply KECL **PICCS** Does not Comply **AICS** Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold
			Values %
Toluene	108-88-3	55	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	×	x	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Taluene	1000 lb	

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X

International Regulations

Mexico - Grade

Moderate risk, Grade 2

	Chemical Name	Carcinogen Status	Exposure Limits
	Toluene		Mexico: TWA= 50 ppm
1			Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid D2A Very toxic materials



Chemical Name	NPRI
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16	OTHER	INFORMATION	

Issuing Date

13-Mar-2008

Revision Date

Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

SAFETY DATA SHEET

1. Identification

Product identifier **Benzyl Chloroformate**

Other means of identification Not available. Recommended use Industrial chemical. Recommended restrictions None known.

Manufacturer / Importer / Supplier / Distributor information

VanDeMark Chemical Inc. Manufacturer

Address 1 North Transit Road, Lockport, NY 14094 USA

Telephone 716-433-6764

e-mail sales@vdmchemical.com

CHEMTREC 1-800-424-9300 (North America) **Emergency telephone**

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Acute toxicity, inhalation Category 3

> Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1 Carcinogenicity Category 1B

Specific target organ toxicity, single

exposure Not classified.

Category 3 respiratory tract irritation

OSHA hazard(s)

Label elements

Hazard symbol



Signal word Danger

Hazard statement Toxic if inhaled. Causes severe skin burns and eye damage. May cause cancer. May cause

respiratory irritation.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe mist. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after

handling.

Response If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse

mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If exposed or concerned: Get

medical advice/attention.

Storage Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Not classified.

Environmental hazards Hazardous to the aquatic environment, Category 1

acute hazard

Category 1 Hazardous to the aquatic environment,

long-term hazard

3. Composition/information on ingredients

Substance

SDS US Benzyl Chloroformate

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Hazardous components Chemical name	Common name and synonyms	CAS number	%
Benzyl chloroformate		501-53-1	>= 98
Constituents Chemical name		CAS number	%
Benzyl chloride		100-44-7	=< 1.5

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in

percent by volume.

4. First-aid measures

Inhalation Move injured person into fresh air and keep person calm under observation. Get medical attention

immediately.

Skin contact Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

Chemical burns must be treated by a physician.

Eye contact Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact

lenses. Get medical attention immediately. Continue to rinse.

Immediately rinse mouth and drink plenty of water. Do not induce vomiting. If vomiting occurs,

keep head low so that stomach content does not get into the lungs. Get medical attention

immediately.

Most important symptoms/effects, acute and

delayed

Causes skin and eye burns.

Indication of immediate medical attention and special

treatment needed

Treat symptomatically.

General information

First aid personnel must be aware of own risk during rescue.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Foam. Carbon Dioxide. Dry powder.

Water. Contact with water liberates toxic gas.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting

equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Keep upwind.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Provide adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear necessary protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up

Absorb spillage with suitable absorbent material. Collect in containers and seal securely. Large Spillages: Dike far ahead of liquid spill for later disposal.

Environmental precautions Do not allow to enter drains, sewers or watercourses.

7. Handling and storage

Precautions for safe handling

Mechanical ventilation or local exhaust ventilation is required. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash thoroughly after handling. Contaminated clothing and shoes must be discarded. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store at temperature at or below –15°C (5°F) in a dry, well-ventilated location. All equipment and storage vessels must be constructed of Teflon or glass-lined steel. Keep container tightly closed. Protect from sunlight and avoid any contact with iron. Product is stable when stored properly at recommended storage temperature. Storage in recommended temperatures and conditions will ensure product quality for minimum 12 months before retesting may be needed to determine assay. Storage in conditions between –15°C (5°F) and –5°C (23°F) may require retesting after 6 months to determine assay. Storage above 0°C (32°F) not recommended.

 Benzyl Chloroformate
 SDS US

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8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	PEL	5 mg/m3	
,		1 ppm	
US. ACGIH Threshold Limit Val	ues		
Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	TWA	1 ppm	
US. NIOSH: Pocket Guide to Ch	nemical Hazards		
Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	Ceiling	5 mg/m3	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Provide easy access to water supply and eye wash facilities.

1 ppm

Individual protection measures, such as personal protective equipment

Eye/face protection

Use safety goggles and face shield in case of splash risk.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Glove material: Fluoro carbon rubber (0.4 mm). Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the

breakthrough time of the glove material.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Wear suitable respiratory protection. Use a NIOSH/MSHA approved respirator if there is a risk of

exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

When material is heated, wear gloves to protect against thermal burns.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

9. Physical and chemical properties

Appearance Clear liquid. Physical state Liquid. **Form** Liquid. Color Clear. Odor Pungent. **Odor threshold** Not available. Not available. pΗ Melting point/freezing point Not available. Initial boiling point and boiling 305.6 °F (152 °C) range 258.8 °F (126 °C) Flash point **Evaporation rate** Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits Flammability limit - lower Not available. (%)

Flammability limit - upper Not available.

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Not available Vapor pressure

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VDM00359

Vapor density

Not available.

Relative density

1.217 (20 °C)

Solubility(ies)

Not available.

Partition coefficient (n-octanol/water)

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

10. Stability and reactivity

Reactivity

Water reactive material.

Chemical stability

Decomposes on heating. Decomposes in the presence of water.

Possibility of hazardous

Thermal decomposition or combustion may liberate toxic gases or fumes. Contact with water liberates toxic gas.

reactions

Heat. Moisture. Exposure to air.

Conditions to avoid Incompatible materials

Water, Iron. Acids, Bases, Alcohols, Metal salts.

Hazardous decomposition

Hydrogen chloride. Benzyl alcohol.

products

11. Toxicological information

Information on likely routes of exposure

Ingestion

May cause burns of the gastrointestinal tract if swallowed.

Inhalation

Vapors irritate the respiratory system, and may cause coughing and difficulties in breathing.

Skin contact

Corrosive effects. Causes skin burns.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Symptoms related to the

physical, chemical and toxicological characteristics Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent

eye damage including blindness could result.

Information on toxicological effects

Acute toxicity

Toxic if inhaled

Product Species

Test Results

Benzyl chloroformate (CAS 501-53-1)

Acute

Inhalation

LC50

Rat

590 mg/m3, 4 hours

Oral

LD50

Rat

3 g/kg

Test Results

Constituents **Species**

Acute

Inhalation

Benzyl chloride (CAS 100-44-7)

LC50

Rat

0.74 mg/l, 4 hours

Oral

LD50

Rat

340 mg/kg

Skin corrosion/irritation

Causes severe skin burns.

Serious eye damage/eye irritation

Respiratory sensitization

Causes serious eye damage.

Skin sensitization

No data available. No data available.

Germ cell mutagenicity

No data available. May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzyl chloride (CAS 100-44-7)

2A Probably carcinogenic to humans.

Reproductive toxicity

No data available.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Carcinogenicity

SDS US

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Benzyl Chloroformate

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VDM00360

Specific target organ toxicity -

repeated exposure

No data available.

Aspiration hazard

No data available.

Chronic effects

Frequent inhalation of dust over a long period of time increases the risk of developing lung

diseases.

12. Ecological information

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Test Results Constituents **Species** Benzyl chloride (CAS 100-44-7) Aquatic EC50 1.3 mg/l, 24 hours Crustacea Daphnia magna Fathead minnow (Pimephales promelas) 4.4 - 5.6 mg/l, 96 hours Fish LC50 Zebra danio (Danio rerio) 4 mg/l, 96 hours Other Micro-organisms EC50 Micro-organisms 2.97 mg/l, 30 minutes 2.25 mg/l, 15 minutes 1.92 mg/l, 5 minutes

Persistence and degradability

Decomposes in the presence of water.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Benzyl chloride

2.3

Mobility in soil Other adverse effects Not available. Not available.

13. Disposal considerations

Disposal instructions

Dispose of in accordance with all applicable regulations. Do not discharge into drains, water

courses or onto the ground.

Local disposal regulations

Dispose of in accordance with local regulations.

Hazardous waste code

Waste from residues / unused

D003: Waste Reactive material

products

Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is

emptied.

14. Transport information

DOT

UN number

UN1739

UN proper shipping name

Benzyl chloroformate, MARINE POLLUTANT

Transport hazard class(es)

8

Subsidary class(es)

Not available.

Packing group

Special precautions for user Not available.

Labels required Special provisions

A3, A6, B4, N41, T10, TP2, TP12, TP13

Packaging exceptions

None

Packaging non bulk

201

Packaging bulk

243

IATA

UN number

UN1739

UN proper shipping name

Benzyl chloroformate

Transport hazard class(es) Subsidary class(es) Packaging group **Environmental hazards**

1 Yes

Labels required **ERG Code**

8 8L

Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number

UN1739

Benzyl Chloroformate

SDS US

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BENZYL CHLOROFORMATE, MARINE POLLUTANT UN proper shipping name

Transport hazard class(es) Subsidary class(es) 1 **Packaging group Environmental hazards**

Marine pollutant Yes Labels required F-A, S-B **EmS**

Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

No information available.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not on regulatory list.

CERCLA Hazardous Substance List (40 CFR 302.4)

Benzyl chloride (CAS 100-44-7)

LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

> Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - Yes

SARA 302 Extremely hazardous substance

SARA 311/312 Hazardous

Yes

chemical

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Benzyl chloride (CAS 100-44-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical **Code Number**

Benzyl chloride (CAS 100-44-7)

8570

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Benzyl chloride (CAS 100-44-7)

20 %WV

DEA Exempt Chemical Mixtures Code Number

Benzyl chloride (CAS 100-44-7)

8568

Food and Drug

Not regulated.

Administration (FDA) **US state regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth

defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Benzyl chloride (CAS 100-44-7)

US. New Jersey Worker and Community Right-to-Know Act

Benzyl chloride (CAS 100-44-7)

500 LBS

US. Pennsylvania RTK - Hazardous Substances

Benzyl chloride (CAS 100-44-7)

US. Rhode Island RTK

Benzyl chloride (CAS 100-44-7)

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VDM00362

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzyl chloride (CAS 100-44-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates this product co	emplies with the inventory requirements administered by the governing country(s)	

16. Other information, including date of preparation or last version

Issue date

10-12-2012

Revision date

10-12-2012

Version#

Further information

Not available.

References

ECHA CHEM International Chemical Safety Cards (ICSC)

GESTIS Substance Database

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard

workers and the environment.

SDS US 7/7

VDM00363

Van De Mark

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of the substance

Benzyl chloroformate

Identification number

607-064-00-4

Registration number

Synonyms

None.

Issue date

12-October-2012

Version number

Revision date Supersedes date 12-October-2012 12-October-2012

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Industrial chemical.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Supplier

VanDeMark Chemical B.V.

Address

Schiekade 830, 3032 AL Rotterdam, The Netherlands

Telephone

Not available

e-mail

sales@vdmchemical.com VanDeMark Chemical Inc.

Manufacturer **Address**

1 North Transit Road, Lockport, NY 14094 USA

Telephone

+1 716-433-6764

e-mail

sales@vdmchemical.com CHEMTREC +1-703-527-3887(International)

1.4. Emergency telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification

Carc. Cat. 2;R45, T;R23, C;R34, N;R50/53

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, inhalation

Category 3

H331 - Toxic if inhaled.

Skin corrosion/irritation

Category 1B

H314 - Causes severe skin burns

and eye damage.

Carcinogenicity

Category 1B

H350 - May cause cancer.

Specific target organ toxicity - single

Hazardous to the aquatic environment,

Category 3 respiratory tract irritation

H335 - May cause respiratory

exposure

Environmental hazards

Category 1

H410 - Very toxic to aquatic life

long-term aquatic hazard

Hazard summary

with long lasting effects.

Physical hazards

Not classified for physical hazards.

Health hazards

May cause cancer. Also toxic by inhalation. Causes burns.

Environmental hazards

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards

Corrosive.

Main symptoms

Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

2.2. Label elements

Benzyl chloroformate

SDS EU 1 / 11

910985 Version No.: 03 Revision date: 12-October-2012 Issue date: 12-October-2012

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:

Benzyl chloroformate

Identification number

607-064-00-4

Hazard pictograms

Signal word

Danger

Hazard statements

H331 - Toxic if inhaled.

H314 - Causes severe skin burns and eye damage.

H350 - May cause cancer.

H335 - May cause respiratory irritation.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P201 - Obtain special instructions before use.

P260 - Do not breathe mist.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P264 - Wash thoroughly after handling. P273 - Avoid release to the environment.

Response

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable

for breathing.

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTRE or doctor/physician.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P391 - Collect spillage.

Storage Disposal P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P501 - Dispose of contents/container in accordance with local/regional/national/international

regulations.

Supplemental label information 2.3. Other hazards

Not applicable. Not assigned.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

No. REACH Registration No. INDEX No. Not	es
EC	EC No. REACH Registration No. INDEX No. Not

Benzyl chloroformate >= 98 501-53-1 - 607-064-00-4

207-925-0

Classification: DSD: Carc. Cat. 2;R45, T;R23, C;R34, N;R50/53

CLP: Skin Corr. 1B;H314, Acute Tox. 3;H331, STOT SE 3;H335, Carc. 1B;H350, Aquatic

Chronic 1:H410

DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008.

Constituents

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. Notes

Benzyl chloride =< 1,5 100-44-7 - 602-037-00-3 - 202-853-6

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information First aid personnel must be aware of own risk during rescue.

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4.1. Description of first aid measures

Inhalation Move injured person into fresh air and keep person calm under observation. Get medical attention

immediately.

Skin contact Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

Chemical burns must be treated by a physician.

Eye contact Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact

lenses. Get medical attention immediately. Continue to rinse.

Ingestion Immediately rinse mouth and drink plenty of water. Do not induce vomiting. If vomiting occurs,

keep head low so that stomach content doesn't get into the lungs. Get medical attention

immediately.

4.2. Most important symptoms and effects, both acute and

delayed

Causes skin and eye burns.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

Will burn if involved in a fire.

5.1. Extinguishing media

Suitable extinguishing

media

Foam. Carbon dioxide. Dry powder.

Unsuitable extinguishing

media

Water. Contact with water liberates toxic gas.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in

Special fire fighting procedures

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Keep upwind.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Provide adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear necessary protective equipment. See Section 8 for personal protective equipment.

For emergency responders

Keep unnecessary personnel away.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage with suitable absorbent material. Collect in containers and seal securely. Large Spillages: Dike far ahead of liquid spill for later disposal.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe

handling

Mechanical ventilation or local exhaust ventilation is required. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash thoroughly after handling. Contaminated clothing and shoes must be discarded. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store at temperature at or below -15°C (5°F) in a dry, well-ventilated location. All equipment and storage vessels must be constructed of Teflon or glass-lined steel. Keep container tightly closed. Protect from sunlight and avoid any contact with iron. Product is stable when stored properly at recommended storage temperature. Storage in recommended temperatures and conditions will ensure product quality for minimum 12 months before retesting may be needed to determine assay. Storage in conditions between -15°C (5°F) and -5°C (23°F) may require retesting after 6 months to determine assay. Storage above 0°C (32°F) not recommended.

7.3. Specific end use(s)

Industrial chemical.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Occupational exposure limits

Austria. TRK List

	Туре	Value	
Benzyl chloride (CAS 100-44-7)	STEL	0,8 mg/m3	
	TWA	0,2 mg/m3	
Belgium. Exposure Limit Values	5,		
Constituents	Туре	Value	
Benzyl chloride (CAS	TWA	5,3 mg/m3	
100-44-7)		1 ppm	
Bulgaria OFLs Regulation No	13 on protection of workers again	inst risks of exposure to chemical agents at work	
Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	STEL	5 mg/m3	
· · · · · · · · · · · · · · · · · · ·	TWA	3 mg/m3	
Czech Republic. OELs. Governi	ment Decree 361		
Constituents	Туре	Value	
Benzyl chloride (CAS	Ceiling	10 mg/m3	
100-44-7)	-	•	
m	TWA	5 mg/m3	
Denmark. Exposure Limit Value	s		
Constituents	Туре	Value	
Benzyl chloride (CAS	TWA	5 mg/m3	
100-44-7)		1 ppm	
Estonia OELs Occupational Ex	rnosure Limits of Hazardous Sul	ostances. (Annex of Regulation No. 293 of 18 Septe	mhar
2001)	thosaic Filling of Hazaraous out	obtailed. (Almox of Regulation No. 200 of 10 depter	
Constituents	Туре	Value	
	.360	value	
Benzyl chloride (CAS	STFL	11 mg/m3	
Benzyl chloride (CAS 100-44-7)	STEL	11 mg/m3	
		2 ppm	
	STEL	2 ppm 5 mg/m3	
100-44-7)	TWA	2 ppm	
100-44-7) Finland. Workplace Exposure L	TWA	2 ppm 5 mg/m3 1 ppm	
100-44-7) Finland. Workplace Exposure L Constituents	TWA imits Type	2 ppm 5 mg/m3 1 ppm Value	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS	TWA	2 ppm 5 mg/m3 1 ppm	
100-44-7) Finland. Workplace Exposure L Constituents	TWA imits Type	2 ppm 5 mg/m3 1 ppm Value	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS	TWA imits Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS	TWA imits Type Ceiling	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7)	TWA imits Type Ceiling STEL TWA	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Exposi	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Exposi	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS 100-44-7)	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME	2 ppm 5 mg/m3 1 ppm Value 7.9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS 100-44-7) Greece. OELs (Decree No. 90/19	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS 100-44-7) Greece. OELs (Decree No. 90/19 Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME VME	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS 100-44-7) Greece. OELs (Decree No. 90/19) Constituents	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME VME 199, as amended) Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm Value 5 mg/m3	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS 100-44-7) Greece. OELs (Decree No. 90/19 Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME VME 199, as amended) Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm Value	
Finland. Workplace Exposure L Constituents Benzyl chloride (CAS 100-44-7) France. Threshold Limit Values Constituents Benzyl chloride (CAS 100-44-7) Greece. OELs (Decree No. 90/19 Constituents Benzyl chloride (CAS	TWA imits Type Ceiling STEL TWA (VLEP) for Occupational Expose Type VLE VME VME 199, as amended) Type	2 ppm 5 mg/m3 1 ppm Value 7,9 mg/m3 1,5 ppm 390 mg/m3 75 ppm 2,6 mg/m3 0,5 ppm ure to Chemicals in France, INRS ED 984 Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm Value 5 mg/m3	

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Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	STEL	0,5 mg/m3	
	TWA	0,5 mg/m3	
celand. OELs. Regulation 154/1	999 on occupational exposure l	mits	
Constituents	Туре	Value	
Benzyl chloride (CAS	STEL	5 mg/m3	
100-44-7)		1 ppm	
reland. Occupational Exposure	Limits		
Constituents	Туре	Value	
Benzyl chloride (CAS	STEL	7,9 mg/m3	
100-44-7)			
	73.4/4	1,5 ppm	
	TWA	2,6 mg/m3 0,5 ppm	
45 kg 051 s		о,о ррпп	
taly. OELs			
Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	TWA	1 ppm	
,	osure limit values of chemical s	ubstances in work environment	
Constituents	Туре	Value	
Benzyl chloride (CAS	TWA	5 mg/m3	
		<u> </u>	
100-44-7)			
•	or Chemical Substances, Genera	al Requirements (Hygiene Norm HN 23:2007)	
Lithuania. OELs. Limit Values f		, , , , , , , , , , , , , , , , , , , ,	
Lithuania. OELs. Limit Values fo Constituents	Туре	Value	
Lithuania. OELs. Limit Values fo Constituents Benzyl chloride (CAS		, , , , , , , , , , , , , , , , , , , ,	
Lithuania. OELs. Limit Values fo Constituents Benzyl chloride (CAS	Туре	Value	
Lithuania. OELs. Limit Values fo Constituents Benzyl chloride (CAS	Туре	Value 11 mg/m3 2 ppm 5 mg/m3	
Lithuania. OELs. Limit Values fo Constituents Benzyl chloride (CAS	Type STEL	Value 11 mg/m3 2 ppm	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7)	Type STEL TWA	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms t	Type STEL TWA	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS	Type STEL TWA for Contaminants in the Workpla	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS	Type STEL TWA For Contaminants in the Workpla Type	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7)	Type STEL TWA for Contaminants in the Workpla Type Ceiling	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor	Type STEL TWA for Contaminants in the Workpla Type Ceiling	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment	Type STEL TWA for Contaminants in the Workpla Type Ceiling ur and Social Policy Regarding	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm 4 ppm Maximum Allowable Concentrations and Intensities	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment	Type STEL TWA for Contaminants in the Workpla Type Ceiling ur and Social Policy Regarding in the Social Policy Regarding	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS	Type STEL TWA for Contaminants in the Workpla Type Ceiling ur and Social Policy Regarding	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm 4 ppm Maximum Allowable Concentrations and Intensities	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS	Type STEL TWA for Contaminants in the Workpla Type Ceiling ur and Social Policy Regarding in the Social Policy Regarding	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value	ìn
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7)	Type STEL TWA For Contaminants in the Workplat Type Ceiling ur and Social Policy Regarding to the Ceiling Type Ceiling Type Ceiling	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3	ìn
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7) Portugal. VLEs. Norm on occupa	Type STEL TWA for Contaminants in the Workplat Type Ceiling ur and Social Policy Regarding in the Ceiling Type Ceiling Type Ceiling TWA attional exposure to chemical ag	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3 ents (NP 1796)	ìn
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7) Portugal. VLEs. Norm on occupa	Type STEL TWA For Contaminants in the Workplat Type Ceiling Ur and Social Policy Regarding I Type Ceiling TWA attional exposure to chemical ag	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3 ents (NP 1796) Value	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7) Portugal. VLEs. Norm on occupa	Type STEL TWA for Contaminants in the Workplat Type Ceiling ur and Social Policy Regarding in the Ceiling Type Ceiling Type Ceiling TWA attional exposure to chemical ag	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3 ents (NP 1796)	in
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7) Portugal. VLEs. Norm on occupations of Constituents Benzyl chloride (CAS 100-44-7)	Type STEL TWA for Contaminants in the Workplat Type Ceiling ur and Social Policy Regarding in the Workplat Type Ceiling TWA ational exposure to chemical age Type TWA ncerning protection of workers and the workplate in th	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3 ents (NP 1796) Value	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7) Portugal. VLEs. Norm on occupations constituents Benzyl chloride (CAS 100-44-7) Slovenia. OELs. Regulations con (Official Gazette of the Republic	Type STEL TWA for Contaminants in the Workplat Type Ceiling ur and Social Policy Regarding in the Workplat Type Ceiling Type Ceiling TWA attional exposure to chemical ag Type TWA ncerning protection of workers a of Slovenia)	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3 ents (NP 1796) Value 1 ppm against risks due to exposure to chemicals while we	
Lithuania. OELs. Limit Values for Constituents Benzyl chloride (CAS 100-44-7) Norway. Administrative Norms for Constituents Benzyl chloride (CAS 100-44-7) Poland. MACs. Minister of Labor Working Environment Constituents Benzyl chloride (CAS 100-44-7) Portugal. VLEs. Norm on occupations constituents Benzyl chloride (CAS 100-44-7) Slovenia. OELs. Regulations constituents	Type STEL TWA for Contaminants in the Workplat Type Ceiling ur and Social Policy Regarding in the Workplat Type Ceiling TWA ational exposure to chemical age Type TWA ncerning protection of workers and the workplate in th	Value 11 mg/m3 2 ppm 5 mg/m3 1 ppm ce Value 5 mg/m3 1 ppm Maximum Allowable Concentrations and Intensities Value 5 mg/m3 3 mg/m3 ents (NP 1796) Value 1 ppm	

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Sweden. Occupational Exposure Limit Values

Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	STEL	11 mg/m3	
		2 ppm	
	TWA	5 mg/m3	
		1 ppm	
Switzerland. SUVA Grenzwerte	am Arbeitsplatz		
Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	TWA	0,2 mg/m3	-
UK. EH40 Workplace Exposure	Limits (WELs)		
Constituents	Туре	Value	
Benzyl chloride (CAS 100-44-7)	STEL	7,9 mg/m3	
·		1,5 ppm	
	TWA	2,6 mg/m3	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow the schedule for work place measurements.

Derived no-effect level (DNEL)

Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering

Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Provide easy access to water supply and eye wash facilities.

0,5 ppm

controls

Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Eye/face protection

Use safety goggles and face shield in case of splash risk.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Glove material: Fluoro carbon rubber (0.4 mm). Be

aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the

breakthrough time of the glove material.

- Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Wear suitable respiratory protection. Use respiratory equipment with combination filter, type

A2/P2.

Thermal hazards

When material is heated, wear gloves to protect against thermal burns.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be

cleaned

Environmental exposure

controls

Environmental manager must be informed of all major spillages.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state

Liquid.

Form Colour Liquid. Clear.

Odour

Pungent.

Odour threshold

Not available.

рΗ

Not applicable.

Melting point/freezing point

Not available.

Benzyl chloroformate

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SDS EU 6/11 Initial boiling point and boiling

152 °C (305,6 °F)

range

Flash point

126 °C (258,8 °F)

Evaporation rate

Not applicable.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Vapour pressure

Not applicable.

Vapour density

Not applicable.

Relative density Solubility(ies)

1,217 (20 °C) Not available.

Partition coefficient (n-octanol/water)

Decomposition temperature

Not available.

Viscosity

Not applicable.

Explosive properties Oxidizing properties

Not available. Not available,

9.2. Other information

No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Water reactive material.

10.2. Chemical stability

Decomposes on heating. Decomposes in the presence of water.

10.3. Possibility of hazardous

reactions

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapours. Contact with water liberates toxic gas.

10.4. Conditions to avoid

Heat. Moisture. Exposure to air.

10.5. Incompatible materials

Water, Iron Acids, Bases, Alcohols, Metal salts.

10.6. Hazardous

Hydrogen chloride. Benzyl alcohol.

decomposition products

SECTION 11: Toxicological information

General Information

Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion

May cause burns of the gastrointestinal tract if swallowed.

Inhalation

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing.

Skin contact

Corrosive effects. Causes skin burns.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Symptoms

Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent

eye damage including blindness could result.

11.1. Information on toxicological effects

Acute toxicity

Product

Toxic if inhaled.

Benzyl chloroformate (CAS 501-53-1)

Species

Test results

Acute

Inhalation

LC50

Rat

590 mg/m3, 4 hours

Oral

LD50

Rat

3 g/kg

Constituents

Species

Test results

Benzyl chloride (CAS 100-44-7)

Acute

Inhalation

LC50 Rat 0,74 mg/l, 4 hours

Benzyl chloroformate

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SDS EU

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Constituents Species **Test results**

Oral

LD50

Rat

340 mg/kg

Skin corrosion/irritation

Serious eye damage/irritation

Causes severe skin burns. Causes serious eye damage.

Respiratory sensitisation

No data available. No data available.

Skin sensitisation Germ cell mutagenicity

No data available.

Carcinogenicity

May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzyl chloride (CAS 100-44-7)

2A Probably carcinogenic to humans.

Reproductive toxicity

No data available.

Specific target organ toxicity -

May cause respiratory irritation.

single exposure

Specific target organ toxicity -

repeated exposure

No data available.

Aspiration hazard

No data available.

Mixture versus substance

information

Not available.

Other information

Not available.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

Constituents **Test results** Species Benzyl chloride (CAS 100-44-7)

Aquatic

Crustacea EC50 Fish LC50 Daphnia magna

1,3 mg/l, 24 hours

Fathead minnow (Pimephales promelas) 4,4 - 5,6 mg/l, 96 hours Zebra danio (Danio rerio)

2,3

4 mg/l, 96 hours

Other

Micro-organisms

EC50

Micro-organisms

2,97 mg/l, 30 minutes

2,25 mg/l, 15 minutes

1,92 mg/l, 5 minutes

12.2. Persistence and

degradability

Decomposes in the presence of water.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Benzyl chloride

Bioconcentration factor (BCF)

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT

Not a PBT or vPvB substance or mixture.

and vPvB assessment

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is

emptied.

EU waste code

The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Benzyl chloroformate

SDS EU

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VDM00371

SECTION 14: Transport information

```
14.1. UN number
                                 UN1739
                                 Benzyl chloroformate
    14.2. UN proper shipping
    name
    14.3. Transport hazard
    class(es)
    Subsidiary class(es)
    14.4. Packing group
                                 ı
    14.5. Environmental hazards Yes
                                 Ε
    Tunnel restriction code
                                 8
    Labels required
                                 Read safety instructions, SDS and emergency procedures before handling.
    14.6. Special precautions
    for user
RID
    14.1. UN number
                                 UN1739
    14.2. UN proper shipping
                                 Benzyl chloroformate
    14.3. Transport hazard
    class(es)
    Subsidiary class(es)
    14.4. Packing group
    14.5. Environmental hazards Yes
    Labels required
                                 8
    14.6. Special precautions
                                 Read safety instructions, SDS and emergency procedures before handling.
    for user
ADN
    14.1. UN number
                                 UN1739
    14.2. UN proper shipping
                                 Benzyl chloroformate
    name
    14.3. Transport hazard
    class(es)
    Subsidiary class(es)
    14.4. Packing group
                                 1
    14.5. Environmental hazards Yes
    Labels required
    14.6. Special precautions
                                 Read safety instructions, SDS and emergency procedures before handling.
    for user
IATA
    14.1. UN number
                                 UN1739
    14.2. UN proper shipping
                                 Benzyl chloroformate
    name
    14.3. Transport hazard
                                 8
    class(es)
    Subsidiary class(es)
    14.4. Packing group
    14.5. Environmental hazards Yes
   Labels required
                                 8
   ERG Code
                                 8L
    14.6. Special precautions
                                 Read safety instructions, SDS and emergency procedures before handling.
   for user
IMDG
                                 UN1739
    14.1. UN number
    14.2. UN proper shipping
                                 Benzyl chloroformate, Marine pollutant
   name
    14.3. Transport hazard
                                 8
   class(es)
   Subsidiary class(es)
   14.4. Packing group
    14.5. Environmental hazards
        Marine pollutant
                                 Yes
   Labels required
                                 8
   EmS No.
                                 F-A, S-B
    14.6. Special precautions
                                 Read safety instructions, SDS and emergency procedures before handling.
```

Benzyl chloroformate SDS EU 9/11

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for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Code

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed

Authorisations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Benzyl chloride (CAS 100-44-7)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Benzyl chloride (CAS 100-44-7)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Benzyl chloride (CAS 100-44-7) Benzyl chloroformate (CAS 501-53-1)

Directive 94/33/EC on the protection of young people at work

Benzyl chloride (CAS 100-44-7) Benzyl chloroformate (CAS 501-53-1)

Other regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents. No Chemical Safety Assessment has been carried out.

15.2. Chemical safety

assessment

SECTION 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.

Benzyl chloroformate

SDS EU

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References

ECHA CHEM

International Chemical Safety Cards (ICSC)

GESTIS Substance Database

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15 R23 Also toxic by inhalation. R34 Causes burns. R45 May cause cancer.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

H314 - Causes severe skin burns and eye damage.

H331 - Toxic if inhaled.

H335 - May cause respiratory irritation.

H350 - May cause cancer.

H410 - Very toxic to aquatic life with long lasting effects.

Training information

Disclaimer

Follow training instructions when handling this material.

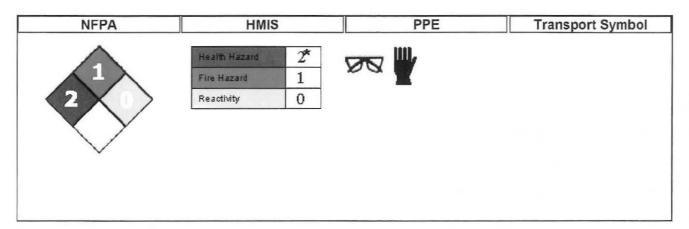
This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard

workers and the environment.

Benzyl chloroformate SDS EU
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Material Safety Data Sheet



Issuing Date 13-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Carbaester

Synonyms

L-phenylalanine, N-(methoxycarbonyl)-, methyl ester

Recommended Use

Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

May cause slight irritation.

May be harmful if swallowed

May cause central nervous system depression

May cause adverse liver effects

May cause adverse kidney effects
Contains a known or suspected reproductive toxin

Appearance Yellow

Physical State Viscous liquid

Odor Irritating

Revision Date WPS-VDM-022 - Carbaester

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact, Ingestion.

Acute Toxicity

Eyes

Avoid contact with eyes. Irritating to eyes.

Skin

Substance may cause slight skin irritation. Repeated exposure may cause skin dryness or

Inhalation

May cause irritation of respiratory tract. May cause central nervous system depression with

nausea, headache, dizziness, vomiting, and incoordination.

Ingestion

May be harmful if swallowed. Potential for aspiration if swallowed. May cause additional affects

as listed under "Inhalation".

Chronic Effects

Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Aggravated Medical Conditions

Central nervous system. Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

Formula

Esters. C12H15O4N

Chemical Name	CAS-No	Weight %
L-phenylalanine, N-(methoxycarbonyl)-, methyl ester	41844-71-7	>98
Toluene	108-88-3	<2

4. FIRST AID MEASURES

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention immediately if irritation persists.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if

irritation develops and persists.

Inhalation Move to fresh air. If symptoms persist, call a physician. If breathing has stopped, contact

emergency medical services immediately. If breathing is irregular or stopped, administer

artificial respiration.

Ingestion Call a physician immediately. Rinse mouth. Never give anything by mouth to an unconscious

person. Do not induce vomiting without medical advice.

Notes to Physician Treat symptomatically

Protection of First-aiders Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Combustible material.

Flash Point

> 150°C / > 302°F

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding

environment. Carbon dioxide (CO₂). Dry chemical. Foam. Water spray.

Hazardous Combustion Products

Carbon oxides, Nitrogen oxides (NOx).

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None Yes.

Specific Hazards Arising from the

Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Thermal decomposition can lead to release of irritating gases and vapors.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit.

NFPA Health Hazard 2

Flammability 1

Stability 0

Physical and Chemical

Hazards -

<u>HMIS</u>

Health Hazard 2*

Flammability 1

Stability 0

Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Take precautionary measures

against static discharges.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Take up mechanically and collect in suitable

container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from open flames, hot surfaces and sources

of ignition. Take precautionary measures against static discharges.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. The product may

crystallize if it is stored for a long time.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene	TWA: 20 ppm	TWA: 200 ppm	IDLH: 500 ppm
108-88-3	• •	(vacated) TWA: 100 ppm	TWA: 100 ppm
]		(vacated) TWA: 375 mg/m ³	TWA: 375 mg/m ³
		(vacated) STEL: 150 ppm	STEL: 150 ppm
		(vacated) STEL: 560 mg/m ³	STEL: 560 mg/m ³
		Ceiling: 300 ppm	-

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Safety glasses with side-shields. Face-shield.

Wear protective gloves/clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

cioning. Remove and wash contaminated dolling before re-us

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Yellow Odor Irritating

Odor Threshold No information available Physical State Viscous liquid

pH approx. 4.7

Flash Point > 150°C / > 302°F Autoignition Temperature No information available

Decomposition Temperature No information available **Boiling Point/Range** 140°C / 284°F (0.5 mmHg)

Melting Point/Range No information available

Flammability Limits in Air No information available Explosion Limits No information available

Specific Gravity 1.16 Water Solubility Insoluble in water

Solubility Ethanol Toluene Chloroform Evaporation Rate No information available

 Vapor Pressure
 No data available
 Vapor Density
 No data available

VOC Content Not applicable

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

Incompatible Products Strong oxidizing agents. Strong acids.

Conditions to Avoid Excessive heat.

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx).

Hazardous Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

No acute toxicity information is available for this product. Data is for major component in

product

Irritation

No skin irritation. OECD Test Guideline 404. rabbit skin. No eye irritation. OECD Test Guideline 405. rabbit eye. Repeated or prolonged exposure may cause irritation of eyes and

skin.

LD50 Oral VALUE (mg/kg)

>2000 mg/kg (EVIC-CEBA n° 98/0194 - 03/1998) (rat)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	636 mg/kg(Rat)	12124 mg/kg (Rat)	12.5 mg/L (Rat) 4 h
		8390 mg/kg(Rabbit)	26700 ppm (Rat) 1 h

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Sensitization

No sensitization responses were observed. OECD Test Guideline 406. guinea pig.

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Toluene	EC50 > 433 mg/L 96 h	LC50= 13 mg/L Lepomis	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h
	·	macrochirus 96 h		EC50 = 310 mg/L 48 h
		LC50= 24.0 mg/L Lepomis]
		macrochirus 96 h		
1		LC50= 24.0 mg/L		
		Oncorhynchus mykiss 96 h		
		LC50= 25 mg/L Pimephales		
		promelas 96 h		

Chemical Name	Log Pow
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations. Can be incinerated, when in compliance with

local regulations.

Contaminated Packaging

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

MEX

Not regulated

<u>ICAO</u>

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

<u>RID</u>

Not regulated

<u>ADR</u>

Not regulated

<u>ADN</u>

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL/NDSL Does not comply **EINECS/ELINCS** Does not Comply **ENCS** Does not Comply **IECSC** Does not Comply **KECL** Does not Comply **PICCS** Does not Comply **AICS** Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Page 6/8

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	Х	X

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Toluene	1000 lb	

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X

International Regulations

Mexico - Grade

Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm
		Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials



Chemical Name	NPRI
Taluene	×

16. OTHER INFORMATION

Issuing Date

13-Mar-2008

Revision Date

Revision Note

No information available

Disclaimer

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The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

SAFETY DATA SHEET



Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of the substance

Phenyl Chloroformate

Identification number

1885-14-9

Registration number

Synonyms

None.

Date of first issue

21-February-2012

Version number

01

Revision date

Supersedes date

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Industrial chemical.

Uses advised against

None known.

Details of the supplier of the safety data sheet

Supplier

Company name

VanDeMark Chemical Inc.

Address

1 North Transit Road, Lockport, NY 14094, USA

Telephone

+1 716-433-6764

Contact person

Not available.

Emergency telephone

+1-703-527-3887, International

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

T+;R26, C;R34, Xn;R22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral

Category 4

Harmful if swallowed.

Acute toxicity, inhalation

Category 2

Fatal if inhaled.

Skin corrosion/irritation

Category 1

Causes severe skin burns and eye

damage.

Hazard summary

Physical hazards

Not classified for physical hazards.

Health hazards

Harmful if swallowed. Very toxic by inhalation. Causes burns.

Environmental hazards

Not classified for hazards to the environment.

Specific hazards

Corrosive. Prolonged contact causes serious eye and tissue damage. Inhalation of vapour or mist

may cause lung oedema. Ingestion: May have a corrosive effect on the digestive canal.

Main symptoms

Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause

severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:

Phenyl chloroformate

Identification number

1885-14-9



Signal word

Danger

Phenyl Chloroformate SDS EU 1/7

907106 Version No.: 01 Revision date: 21-February-2012 Print date: 21-February-2012

Hazard statements Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage.

Precautionary statements

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face Prevention

protection. Do not eat, drink or smoke when using this product.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Response

> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Immediately call a POISON CENTRE or doctor/physician.

Storage Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None. Other hazards None known.

Section 3: Composition/information on ingredients

Substance

General information

CAS-No. / EC No. REACH Registration No. INDEX No. Chemical name % Notes

Phenyl chloroformate 99 - 100 1885-14-9

217-547-8

DSD: T+:R26, C:R34, Xn:R22 Classification:

CLP: Acute Tox. 4;H302, Skin Corr. 1;H314, Acute Tox. 2;H330

DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008.

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in

percent by volume. The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere

to affected area. Call an ambulance. Continue flushing during transport to hospital.

Description of first aid measures

Inhalation Immediately remove from further exposure. Get immediate medical assistance. For those

providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a

mechanical device.

Skin contact Immediately remove contaminated clothing. Wash off immediately with plenty of water for at least

15 minutes. Get medical attention immediately. Chemical burns must be treated by a physician.

Eve contact Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

Ingestion Immediately rinse mouth and drink plenty of water. Keep victim under observation. Do not induce

vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed

Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours

after exposure.

Section 5: Firefighting measures

General fire hazards The product is combustible, and heating may generate vapours which may form explosive

vapour/air mixtures.

Extinguishing media

Suitable extinguishing

media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing

media

Special hazards arising from the substance or mixture

The product reacts with water and will generate heat. Produce toxic and/or corrosive substances on contact with water. By heating and fire, toxic vapours/gases may be formed. Vapours may form explosive mixtures with air.

Phenyl Chloroformate SDS EU 2/7

Water.

Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire

precautions indicated in the workplace.

Special firefighting

procedures

Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use standard firefighting

procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Evacuate area. Eliminate all sources of ignition. Keep upwind. Avoid inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wear suitable protective clothing. For personal

protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

Environmental precautions

Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.

Reference to other sections

See Section 8 for personal protective equipment. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

All handling to take place in well-ventilated area. Use explosion-proof ventilation equipment. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Provide adequate ventilation. Keep away from heat, sparks and open flame. Keep container fightly closed. Store away from incompatible materials

tightly closed. Store away from incompatible materials.

Specific end use(s)

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow standard monitoring procedures.

DNEL

PNEC

Not available.

Industrial chemical

Exposure controls

Appropriate engineering

controls

Should be handled in closed systems, if possible. Provide adequate ventilation. Local ventilation

should be provided. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

General information

Personal protective equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment.

Eye/face protection

Skin protection

Wear tight-fitting goggles or face shield.

- Hand protection Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is

advisable. In full contact: Glove material: Viton. Layer thickness: 0,7 mm Breakthrough time: >

480 min. Suitable gloves can be recommended by the glove supplier.

Respiratory protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Wear suitable respiratory protection. Use respiratory equipment with gas filter, type A2.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

- Other

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

Environmental exposure

controls

Contain spills and prevent releases and observe national regulations on emissions.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Clear liquid.

Physical state Form Liquid. Liquid.

Phenyl Chloroformate

SDS EU

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Colour

Clear.

Odour

Pungent.

Odour threshold

Not available. Not applicable.

рΗ

Melting point/freezing

-38 °C (-36,4 °F)

point

Boiling point, initial boiling

Auto-ignition temperature

point, and boiling range

75 °C (167 °F) (13 mmHg)

Flash point

77 °C (170,6 °F) Not applicable. Not applicable.

Flammability (solid, gas) Flammability limit - lower

Not available.

Flammability limit - upper

Not available.

Not available. **Oxidising properties Explosive properties** Not available. Not available.

Explosive limit Vapour pressure

< 1 mm Hg (20 °C)

Vapour density **Evaporation rate** Relative density

Not available. Not available.

Not available.

Relative density temperature

1,248 (20 °C)

Solubility (water)

Reacts with water.

Partition coefficient (n-octanol/water)

Not available.

Decomposition

Not available.

temperature

Not available. **Viscosity**

Percent volatile

Not available.

Other data

Molecular formula

C7H5CIO2

Other information

No relevant additional information available.

Section 10: Stability and reactivity

Reactivity

Material reacts with water.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

reactions

Decomposes in the presence of water. Decomposes on heating.

Conditions to avoid

Heat, flames and sparks. Moisture.

Incompatible materials

Strong oxidising agents. Water. Acids. Amines. Alcohols.

Hazardous decomposition

products

Carbon oxides. Hydrogen chloride. Phenol.

Section 11: Toxicological information

General information

Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion

May cause burns in mucous membranes, throat, oesophagus and stomach.

Inhalation

Can cause severe respiratory irritation. Inhalation of vapour or mist may cause lung oedema. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after

exposure.

Skin contact

Causes skin burns.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Symptoms

Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Shortness of breath.

Information on toxicological effects

Phenyl Chloroformate

SDS EU

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Acute toxicity

Fatal if inhaled. Harmful if swallowed.

Product

Test results

Phenyl chloroformate (1885-14-9)

Acute Dermal LD50 Rabbit: 3970 ul/kg

Acute Oral LD50 Rat: 1410 ul/kg

Skin corrosion/irritation

Causes skin burns.

Serious eye damage/eye

Causes serious eye damage.

irritation

Respiratory sensitisation

Skin sensitisation

No data available. No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity Reproductive toxicity No data available. No data available.

Specific target organ toxicity - single exposure No data available.

Specific target organ

toxicity - repeated

No data available.

exposure

Aspiration hazard

No data available.

Mixture versus substance

Not available.

information

Other information

Not available.

Section 12: Ecological information

Phenyl chloroformate (1885-14-9)

Toxicity

Mobility

Product

LC50 Leuciscus idus: 10 - 22 mg/l 96 hours

Test results

Persistence and

degradability

No data available.

Bioaccumulative potential

No data available. No data available.

Environmental fate -

Not available.

Partition coefficient

Mobility in soil

No data available. No data available.

Results of PBT and vPvB assessment

Other adverse effects Harmful to aquatic life.

Section 13: Disposal considerations

Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the

ground.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is

emptied.

EU waste code

16 03 05*

Waste codes should be assigned by the user based on the application for which the product was

Section 14: Transport information

ADR

UN number

UN2746

UN proper shipping name

PHENYL CHLOROFORMATE 6.1

Transport hazard class(es) Subsidiary class(es)

8 П No

Packing group **Environmental hazards Tunnel restriction code**

Labels required

D/E 6.1 +8

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Phenyl Chloroformate 907106 Version No.: 01 Revision date: 21-February-2012 Print date: 21-February-2012 SDS EU 5/7

VDM00387

RID

UN number

UN2746

UN proper shipping name

PHENYL CHLOROFORMATE

Transport hazard class(es) Subsidiary class(es) Packing group

8 II

Environmental hazards Labels required No 6.1+8

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number

UN2746

UN proper shipping name

Phenyl Chloroformate

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No

No 6.1+8

Labels required
Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number

UN2746

UN proper shipping name

Phenyl chloroformate

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
ERG Code 6C

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number

UN2746

UN proper shipping name

PHENYL CHLOROFORMATE

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Marine pollutant No
EmS No. F-A, S-B

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL73/78 and

Not relevant.

the IBC Code

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registery (EPER)

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

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Not listed.

Phenyl Chloroformate

SDS EU

Other regulations Young people under 18 years old are not allowed to work with this product according to EU

Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies

with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents.

Chemical safety assessment

assessment No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R22 Harmful if swallowed. R26 Very toxic by inhalation.

R34 Causes burns.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H330 - Fatal if inhaled.

Training information

Follow training instructions when handling this material.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This

information should be used to make an independent determination of the methods to safeguard

workers and the environment.

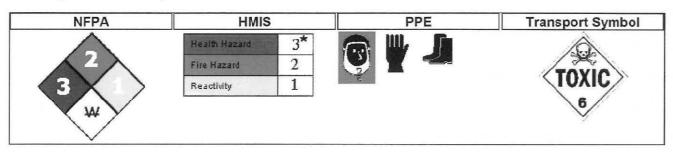
Issue date
Revision date
Print date

21-February-201221-February-201221-February-2012

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Material Safety Data Sheet



*Indicates a chronic health hazard.

Issuing Date 05-Feb-2009

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Cyclopentyl Chloroformate

UN-No

UN2742

Recommended Use

Intermediate.

Supplier Address
VanDeMark Chemical, Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716-433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number

Chemtrec: 1-800-424-9300 for US/ 703-527-3887outside US

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Harmful by inhalation
May cause pulmonary edema
Pulmonary edema can be fatal
Harmful if swallowed
May be harmful if absorbed through skin

Irritant

May produce an allergic reaction

May cause sensitization by skin contact

Vapors may be irritating to eyes, nose, throat, and lungs

Appearance Colorless

Physical State Liquid.

Odor Acrid

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects
Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Severely irritating to eyes. May cause burns.

Skin May be harmful in contact with skin. May cause skin irritation and/or dermatitis. May cause

sensitization by skin contact.

Inhalation Harmful by inhalation. Irritating to respiratory system. Contact with moist mucous membranes

of the respiratory system can cause caustic condition resulting in burns. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Pulmonary edema can be

fatal.

Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Aspiration may cause pulmonary edema and pneumonitis. May cause additional affects as

listed under "Inhalation".

Chronic Effects Avoid repeated exposure. Prolonged exposure may cause chronic effects. May produce an

allergic reaction. Repeated inhalation of vapors may cause irritation of respiratory tract or

bronchitis.

Aggravated Medical Conditions

Allergies, Skin disorders, Respiratory disorders.

Environmental Hazard

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula

C6H9ClO2

Chemical Name	CAS-No	Weight %
Cyclopentyl chloroformate	50715-28-1	>=95

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance. If symptoms persist, call a physician.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected

area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Inhalation Call a physician or Poison Control Center immediately. Move to fresh air. If breathing is

difficult, give oxygen. If not breathing, give artificial respiration. Avoid direct contact with skin.

Use barrier to give mouth-to-mouth resuscitation.

Ingestion Call a physician or Poison Control Center immediately. Remove from exposure, lie down.

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to

an unconscious person. Do NOT induce vomiting.

Notes to Physician May cause sensitization of susceptible persons. Use of epinephrine may be indicated. Treat

symptomatically.

medical personnel are aware of the material(s) involved, and take precautions to protect

themselves. Remove all sources of ignition.

5. FIRE-FIGHTING MEASURES

Flammable Properties Flammable; may be ignited by heat, sparks or flames.

Flash Point 42.5°C

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Use extinguishing measures that are

appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Water.

Hazardous Combustion Products Cyclopentyl alcohol, Hydrogen chloride, Chlorine gas, Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None Yes

Specific Hazards Arising from the

Chemical

Emits toxic gases/vapors under fire conditions and in contact with water. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA

Health Hazard 3

Flammability 2

Stability 1

Physical and Chemical

Hazards W

HMIS

Health Hazard 3*

Flammability 2

Physical Hazard 1

Personal Protection -

^{*}Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective

equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system.

Dike for later disposal; do not apply water unless directed to do so. Prevent further leakage or **Methods for Containment**

spillage if safe to do so.

Methods for Cleaning Up Use personal protective equipment. Dam up. Neutralize with soda ash (sodium carbonate) or

lime over area of spill. Cover liquid spill with sand, earth or other noncombustible absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Do not direct water at spill or source of leak. Use non-sparking tools and

equipment.

7. HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate Handling

ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Prevent breathing of mist or vapors. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area

containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate

exhaust ventilation.

Storage Keep at <-5 °C. Keep container tightly closed in a dry and well-ventilated place. Keep in

properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Measures Showers

Eyewash stations

Ventilation systems

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as

appropriate, to prevent skin contact. Impervious butyl rubber gloves.

Respiratory Protection Wear a positive-pressure supplied-air respirator with full facepiece.

Wear suitable gloves and eye/face protection. Prevent contact with skin eyes and clothing. Hygiene Measures

Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink

or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Colorless.

Odor

Acrid.

Odor Threshold

No information available No information available Liquid

рH

Flash Point

No information available

Autoignition Temperature

-398°C

Decomposition Temperature Melting Point/Range

<-60°C

Boiling Point/Range

102.5°C

Flammability Limits in Air

Explosion Limits

Physical State

No information available

Molecular Weight

148.59

Water Solubility

Decomposes

Solubility

No information available

No information available

Evaporation Rate

No information available

Vapor Pressure

204 Pa (20°C)

Vapor Density

No data available

85100 Pa (100°C)

Density

1.1507 g/cm3@ 20 degreesC

VOC Content

Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable up to approximately -5°C. Reacts with water.

Incompatible Products

Water. Alkaline. Alkaline earth metals, Amines, Alcohols, Acids, Bases, Iron.

Conditions to Avoid

Exposure to water. Exposure to air or moisture over prolonged periods. Extremes of

temperature and direct sunlight. Temperatures above -5°C.

Hazardous Decomposition Products Keep refrigerated. Emits toxic gases/vapors under fire conditions and in contact with water. Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Hydrogen

chloride. Cyclopentyl alcohol.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation There is no data available for this product. Harmful by inhalation. Contact with moist mucous

membranes of the respiratory system can cause caustic condition resulting in burns. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Pulmonary edema can be

fatal.

Eye Contact Severely irritating to eyes. May cause burns.

Skin Contact May be harmful in contact with skin. May cause irritation. May cause sensitization by skin

contact.

Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Aspiration may cause pulmonary edema and pneumonitis.

Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Prolonged exposure may cause chronic effects. May produce an

allergic reaction. Repeated inhalation of vapors may cause irritation of respiratory tract or

bronchitis.

Carcinogenicity There are no known carcinogenic chemicals in this product.

Sensitization May cause sensitization by skin contact. Shown to be strong sensitizer in animal (Guinea-pig)

studies.

Target Organ Effects Lungs, Eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms Daphnia Magna (Water Flea
Cyclopentyl chloroformate		Brachydanio rerio:	
		CL50 (24 hrs) = 26.3 mg/l	CE50 (24 hrs) = 16.2 mg/l
		CL50 (48 hrs) = 26.3 mg/l	CE50 (48 hrs) = 12.6 mg/l
		CL50 (72hrs) 26.3mg/l	
		CL50 (96 hrs) = 26.3mg/l	

Persistence and Degradability

Decomposes by hydrolyse to form hydrochloric acid, carbon dioxide and cyclopentyl alcohol. No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Should not be released into the environment.

Contaminated Packaging

Dispose of in accordance with local regulations

- Cyclopentyl Chloroformate Revision Date

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1 Subsidiary Class 8, 3 UN-No UN2742

Packing Group

Description UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1, (8, 3),, PG II

Emergency Response Guide 155

Number

TDG

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1
Subsidiary Class 8, 3
UN-No UN2742
Packing Group II

Description CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S., 6.1, UN2742, PG II

MEX

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

 Hazard Class
 6.1

 Subsidiary Class
 3, 8

 UN-No
 UN2742

 Packing Group
 II

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II

ICAO

UN-No UN2742

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1 Subsidiary Class 3, 8 Packing Group II

Description Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8),UN2742,PG II

IATA

UN-No UN2742

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1 Subsidiary Class 3, 8 Packing Group II ERG Code 6CF

Description UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II

IMDG/IMO

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

 Hazard Class
 6.1

 Subsidiary Class
 3, 8, +

 UN-No
 UN2742

 Packing Group
 II

 EmS No.
 F-E, S-C

Description UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8, +),PG II

RID

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

14. TRANSPORT INFORMATION

 Hazard Class
 6.1

 UN-No
 UN2742

 Packing Group
 II

 Classification Code
 TFC

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II,RID

ADR/RID-Labels 6.1 + 3 + 8

ADR

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1
UN-No UN2742
Packing Group II
Classification Code TFC

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II

ADR/RID-Labels 8, 3

ADN

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1
Packing Group II
Classification Code TFC

Special Provisions 274, 561, 802

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II

 Hazard Labels
 6.1 + 3 + 8

 Limited Quantity
 LQ17

 Ventilation
 VE01, VE02

15. REGULATORY INFORMATION

International Inventories

TSCA This product contains ingredients which are not listed on the TSCA Inventory. It is for research

and development purposes only.

DSL Does not comply NDSL Does not comply **EINECS** Complies **ENCS** Does not comply IECSC Does not comply Does not comply **KECL PICCS** Does not comply **AICS** Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade Moderate risk, Grade 2

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid D2B Toxic materials



16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501

Issuing Date Revision Date 05-Feb-2009

Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

MATERIAL SAFETY DATA SHEET

Date: June 2, 2008 SE: 0107-00 Rev: 0

1. CHEMICAL PRODUCT IDENTIFICATION

Product name

DDI Crude

Use

Chemical Intermediate.

Manufactured by

VanDeMark Chemical Inc.

1 North Transit Road Lockport NY 14094 USA

716-433-6764

Emergency telephone

VanDeMark Chemical Inc. 716-433-6764

Chemtrec: 1-800-924-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name Dimeryl Diisocyanate CAS Number 68239-06-5

3. HAZARD IDENTIFICATION

WARNING: CAUSES EYE, SKIN, AND RESPIRATORY TRACT IRRITATION.

4. FIRST AID MEASURES

Inhalation :

Move to fresh air. If symptoms persist, call a physician.

Skin contact:

Wash off immediately with soap and plenty of water removing

all contaminated clothes and shoes. If skin irritation persists,

call a physician.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes. Consult a physician.

Ingestion:

Rinse mouth. Drink large quantity of milk or water. Never give anything by mouth to an unconscious person. Do not induce

vomiting. Consult a physician.

Title: DDI Crude MSDS		
SOP: SE-0107-00	Revision 0	Page 2 of 4

5. FIRE FIGHTING MEASURES

Extinguishing Media:

CO2, dry chemical, foam.

combustion product:

Hazardous thermal decomposition and May produce hazardous fumes or

decomposition products upon combustion.

Self contained breathing apparatus and full Protective equipment:

turn out gear. Toxic & corrosive fumes may be

generated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment. Avoid contact with

skin, eyes and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions :

Do not let contaminated extinguishing water enter into

the soil, groundwater or surface waters.

Cleaning procedures :

Cover with sand, earth or other noncombustible absorbent material. Pick up, keep in a closed container. Ventilate area and wash spill site after

material pickup is complete.

7. HANDLING AND STORAGE

Storage:

Store tightly sealed container in a dry and well-ventilated,

area..

Handling:

Wear personal protective equipment. Avoid contact with skin,

eyes and clothing. Remove and wash contaminated clothing

before re-use.

Title: DDI Crude MSDS		
SOP: SE-0107-00	Revision 0	Page 3 of 4

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits: No occupational exposure limits established for this

material.

Respiratory protection: Not applicable with local exhaust.

Hand protection: Use impermeable gloves.

Eye protection: Safety glasses, goggles or full face shield for splash

protection.

Skin protection: Lightweight protective clothing. Apron. Long sleeved

clothing.

Special protective measures: Safety shower and eye wash recommended near work

area.

Work hygienic practice: Wash well after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description: Black liquid.

Odor: Pungent

Boiling point : ND

Flash point: 296°F Specific gravity @ 25°C: 0.920

Solubility's: Negligible

10. STABILITY AND REACTIVITY

Conditions to avoid: Avoid high temperatures.

Materials to avoid:

Hazardous Polymerization: Not know to occur.

11. TOXICOLOGICAL INFORMATION

Toxicological Data: Oral LD(50) > 5 g/kg Rat

Reproductive Toxicity: None available for this material.

12. ECOLOGICAL INFORMATION

Environmental Fate: None available for this material **Environmental Toxicity:** None available for this material

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Incinerate following all local, state and federal

regulations.

VanDeMark Chemical Inc. Standard Operating Procedure

Title: DDI Crude M	ISDS			
SOP: SE-0107-00	Revision 0			Page 4 of 4
14. TRANS	PORTATION			
US DOT			Not regulated	
Hazard C	Class	NA		
Packing (Group	NA		
ID Numb	er	NA		
ERG Guide #		NA		
15. REGUL	ATORY INFORM	MATION		
TSCA: TRI: CERCLA: EPCRA: RMP/PSM:	Not reportable.			

16. OTHER INFORMATION	ı	
Molecular formula :	C ₃₈ H ₇₀ N ₂ O ₂	
Molecular weight:	586.99	
NFPA Hazard Rating	Health	3
	Flammability	1
	Reactivity	0
		according to the NFPA hazard ranking vere, 3 = serious, 2 = slight, 1 = minimal, 0 =

OSHA PEL: None.

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantees, since the conditions of use are beyond our control.

Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

VanDeMark Phosgene Chemistry • Custom Chemicals

SAFETY DATA SHEET

Issuing Date 06-Aug-2007

Revision Date 09-Dec-2010

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name

Dibenzyl Azodicarboxylate

Synonyms Formula

C16H14N2O4

1.2. Relevant identified uses of the substance or mixture and uses advised against

DBAD

Recommended Use

Chemical intermediate

Uses advised against

No information available

1.3. Details of the supplier of the safety data sheet

Company

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094, USA Telephone: 716-433-6764

For further information, please contact

E-mail Address

sales@vdmchemical.com

1.4. Emergency telephone number

Emergency Telephone

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

Europe

112

Section 2. Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious Eye Damage/Eye Irritation

Category 2

Physical Hazards

None

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s)

Xi - Irritant

R-code(s)

Xi;R36

2.2. Label Elements



Signal Word

Warning

Hazard Statements

H319 - Causes serious eye irritation

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/ attention

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Nature of the Preparation Organic compound.

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Dibenzyl Azodicarboxylate	219-508-0	2449-05-0	98	Xi;R36	Eye Irrit. 2 (H319)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16
For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact

Eye Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Ingestion

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to

an unconscious person. Do NOT induce vomiting. Consult a physician.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects N

No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry powder. Foam.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

6.3. Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not breathe vapors/dust. Avoid contact with skin and eyes.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep away from heat. Keep at temperatures below 4.4°C / 40°F. Keep in properly labeled containers. Shelf life 6 months.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

Showers, eyewash stations, and ventilation systems.

8.1. Control parameters

This product, as supplied, does not contain any hazardous materials with occupational **Exposure Limits**

exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) Predicted No Effect Concentration

No information available. No information available.

(PNEC)

8.2. Exposure controls **Engineering Measures**

Personal protective equipment

Safety glasses with side-shields.

Eve Protection Skin and Body Protection

Long sleeved clothing. Impervious gloves.

Hand Protection

Protective gloves.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Environmental Exposure Controls

Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Solid, Crystalline, Powder Appearance Yellow-orange

Odor Odorless

Remarks/ Method Property Values pН 6-8 (20 % solution) 45-49°C / 113-120°F Melting Point/Range None known **Boiling Point/Range** Decomposes None known 230°C / 446°F Flash Point None known **Evaporation rate** No data available None known Flammability (solid, gas) No data available None known Vapor Pressure No data available None known Vapor Density No data available None known **Relative Density** No data available None known

No data available **Specific Gravity** None known Insoluble in water. Water Solubility None known Solubility in other solvents No data available None known Partition coefficient: n-octanol/water No data available None known No data available **Autoignition Temperature** None known approx. 150 °C **Decomposition Temperature** None known No data available Viscosity None known

Explosive Properties No information available No information available **Oxidizing Properties**

9.2. Other information

VOC Content (%) No information available

Section 10. Stability and reactivity

Section 10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under recommended storage conditions. Temperatures above 100°C will result in vigorous decomposition

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.

Strong oxidizing agents. Water. Alcohols

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Nitrogen oxides (NOx). Carbon oxides.

Section 11. Toxicological information

11.1.

Acute Toxicity

Product Information

Inhalation Eye Contact There is no data available for this product. Causes serious eye irritation.

Skin Contact Ingestion There is no data available for this product. There is no data available for this product.

igestion.

LD50 Dermal: LC50 Inhalation: >2150 mg/kg (rabbit) >28000 mg/m³ (dust)

Irritation

Irritating to eyes. Inhalation of dust in high concentration may cause irritation of respiratory

system.

Corrosivity
Sensitization
Mutagenic Effects
Carcinogenic Effects

No information available.
No information available.
No information available.
No information available.

Reproductive Toxicity
Developmental Toxicity
STOT - single exposure
STOT - repeated exposure
Target Organ Effects

No information available. No information available. No information available. No information available. Eyes. Respiratory system.

Aspiration Hazard

Eyes. Respiratory system. No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

Waste treatment methods

Waste from Residues/Unused

Products

Waste is classified as hazardous. Should not be released into the environment. Dispose of in

accordance with local regulations.

Contaminated Packaging

Dispose of in accordance with local regulations.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-No 14.2. Proper Shipping NameNot regulated.
Not regulated.

14.3. Hazard Class Not regulated.
14.4. Packing Group Not regulated.

Description

Not applicable.

14.5.

Marine Pollutant None.

14.6. Special Provisions None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

No information available.

RID

14.1. UN-No
Not regulated.
14.2. Proper Shipping Name
Not regulated.
14.3. Hazard Class
Not regulated.
14.4. Packing Group
Not regulated.

14.4. Packing Group Not regulated. Not applicable.

14.5. Environmental hazard None. **14.6. Special Provisions** None.

ADR

14.1. UN-NoNot regulated.14.2. Proper Shipping NameNot regulated.14.3. Hazard ClassNot regulated.14.4. Packing GroupNot regulated.DescriptionNot applicable.

14.5. Environmental hazard None. **14.6. Special Provisions** None.

Section	14.	Transport	information

ICAO

Not regulated. 14.1. UN-No 14.2. Proper Shipping Name Not regulated.

14.3. Hazard Class Not regulated. 14.4. Packing Group Not regulated. Description Not applicable.

14.5. Environmental hazard None. 14.6. Special Provisions None.

IATA

14.1. UN-No Not regulated. 14.2. Proper Shipping Name Not regulated. Not regulated. 14.3. Hazard Class 14.4. Packing Group Not regulated. Not applicable. Description

14.5. Environmental hazard None. 14.6. Special Provisions None.

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture International Inventories

TSCA EINECS/ELINCS Complies Complies Listed on NDSL

DSL/NDSL PICCS **ENCS IECSC AICS**

KECL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3

R36 - Irritating to eyes

Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation

Key literature references and sources for data

www.ChemADVISOR.com/

WPS-VDM-005 - Dibenzyl Azodicarboxylate

Revision Date 09-Dec-2010

Issuing Date

06-Aug-2007

Revision Date

09-Dec-2010

Revision Note

Update to Format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclalmer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet

VanDeMark Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 25-Oct-2010

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Diethyliminodiacetate carbomoyl chloride - liquid (DIDCC)

UN-No

UN3129

Recommended Use

Intermediate

Synonyms

N-chlorocarbonate diethyl inminodiacetate. Glycine, N-(chlorocarbonyl)-N-(2-ethoxy-2-

oxoethyl)-, ethyl ester.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Emergency Telephone

Number

716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive Flammable liquid

Contact with water liberates toxic gas

The product causes burns of eyes, skin and mucous membranes.

Harmful: may cause lung damage if swallowed
Harmful if swallowed, inhaled, or absorbed through skin
Contains a known or suspected reproductive toxin
May cause central nervous system depression
May cause adverse kidney effects
May cause adverse liver effects
May cause drowsiness and dizziness

Appearance Amber

Physical State Liquid.

Odor Acidic

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes Skin Causes burns. Corrosive to the eyes and may cause severe damage including blindness.

Harmful in contact with skin. Causes burns.

Inhalation Ingestion Harmful by inhalation. Aspiration into lungs can produce severe lung damage. Harmful if swallowed. Can burn mouth, throat, and stomach. Potential for aspiration if

swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects Contains a known or suspected reproductive toxin. Avoid repeated exposure. Possible risks of

irreversible effects. May cause adverse liver effects. May cause adverse kidney effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are

common. Gastrointestinal disturbances may also be seen.

Aggravated Medical

Central nervous system. Kidney disorders. Liver disorders. Skin disorders. Respiratory Conditions

disorders.

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Diethyliminodiacetate carbamoyl chloride	Proprietary	>95
Toluene	108-88-3	< 5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance

Eye Contact Immediate medical attention is required. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact Immediate medical attention is required. Wash off immediately with soap and plenty of water

removing all contaminated clothes and shoes.

Inhalation Immediate medical attention is required. Move to fresh air. If not breathing, give artificial

respiration. If breathing is difficult, give oxygen.

Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and Ingestion

afterwards drink plenty of water. Never give anything by mouth to an unconscious person.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

> perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with

moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Do not use mouth-**Protection of First-aiders**

to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical

device

5. FIRE-FIGHTING MEASURES

Flammable Properties Flammable; may be ignited by heat, sparks or flames.

Flash Point 90 - 100°F / 32.2 - 37.8°C

Suitable Extinguishing Media Carbon dioxide (CO₂) Dry powder. Dry sand. Foam.

Unsuitable Extinguishing Media Water reactive. Contact with water liberates toxic gas. Hydrogen chloride gas.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride.

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None Yes.

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

NFPA Health Hazard 3

Flammability 2

Instability 1

Physical and Chemical

Hazards W

HMIS

Health Hazard 3

Flammability 2

Physical Hazard 1

Personal Protection -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Remove all sources of ignition Evacuate personnel to safe areas. Ensure adequate ventilation.

Keep people away from and upwind of spill/leak. Use personal protective equipment.

Environmental Precautions Prevent product from entering drains. Refer to protective measures listed in Sections 7 and 8.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal

binder, sawdust). Pick up and transfer to properly labeled containers.

Other Information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Reacts with water. Corrosive to many metals when in contact with water or humidity. Keep at a temperature not exceeding 55 °C. Ensure adequate ventilation.. Keep away from open flames, not surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

Storage

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Water reactive.: Keep away from water. Corrosive to many metals when in contact with water or humidity.. Store in corrosive resistant polypropylene container with a resistant inliner.. Keep at temperatures below 55°.C.

Page 3/11

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene	TWA: 20 ppm	TWA: 200 ppm	IDLH: 500 ppm
108-88-3		(vacated) TWA: 100 ppm	TWA: 375 mg/m ³
ļ i		(vacated) TWA: 375 mg/m ³	TWA: 100 ppm
		(vacated) STEL: 150 ppm	STEL: 150 ppm
		(vacated) STEL: 560 mg/m ³	STEL: 560 mg/m ³
		Ceiling: 300 ppm	-

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection **Respiratory Protection**

Tightly fitting safety goggles. Face-shield. Impervious clothing. Impervious gloves.

Full face piece respirator with organic vapor/acid gas cartridge or canister. Spill Cleanup: Wear

a positive-pressure supplied-air respirator with full facepiece.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before re-

use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor Threshold Amber No information available. Odor

Acidic. Liquid

pН

Not applicable

Physical State

Flash Point **Decomposition Temperature** Melting Point/Range

90 - 100°F / 32.2 - 37.8°C 118 °C (DSC) <20°C / <68°F

Autoignition Temperature Boiling Point/Range

No information available. No information available

Flammability Limits in Air

No information available.

Explosion Limits No information available.

Water Solubility

Decomposes in contact with

Solubility

Ethanol. Toluene. Ethyl acetate. Acetone. Dichloromethane.

water

Vapor Pressure

No data available.

Evaporation Rate Vapor Density

No information available No data available.

VOC Content (%)

10. STABILITY AND REACTIVITY

Stability Decomposes in contact with water. Stable up to 118°C.

Incompatible Products Strong oxidizing agents. Incompatible with strong acids and bases. Chlorinated compounds.

Water. Alcohols. Amines.

Conditions to Avoid Heat, flames and sparks. Temperatures above 118°C. Contact with water or moist air liberates

irritating gas.

Hazardous Decomposition

Products

Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Caution - substance not yet tested completely. The product itself has not been tested. May be

harmful by inhalation, ingestion, or skin absorption. Contains: Acid chlorides.

Inhalation Contact with moist mucous membranes of the respiratory system can cause burns and lung

damage. May cause drownsiness and dizziness based on components.. Harmful by inhalation.

Eve Contact Causes burns.

Skin Contact Causes burns. Harmful in contact with skin.

Ingestion Can burn mouth, throat, and stomach. Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermai	LC50 Inhaiation
Toluene	636 mg/kg(Rat)	12124 mg/kg (Rat)	26700 ppm (Rat) 1 h
		8390 mg/kg (Rabbit)	

Chronic Toxicity

Chronic Toxicity Contains a known or suspected reproductive toxin. Avoid repeated exposure. Possible risks of

irreversible effects. May cause adverse liver effects. May cause adverse kidney effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are

common. Gastrointestinal disturbances may also be seen.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene	-	Group 3	-	•

IARC: (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

Target Organ Effects Central nervous system (CNS). Eyes. Kidney. Liver. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms. The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Toluene	EC50: >433 mg/L	LC50: 15.22-19.05 mg/L	EC50 = 19.7 mg/L 30 min	EC50: 5.46 - 9.83 mg/L
	Pseudokirchneriella	Pimephales promelas 96 h		Daphnia magna 48 h Static
1.	subcapitata 96 h	flow-through		EC50: 11.5 mg/L Daphnia
	EC50: 12.5 mg/L	LC50: 12.6 mg/L Pimephales		magna 48 h
	Pseudokirchneriella	promelas 96 h static		
	subcapitata 72 h static	LC50: 5.89-7.81 mg/L		
		Oncorhynchus mykiss 96 h		
		flow-through		
		LC50: 14.1-17.16 mg/L		
		Oncorhynchus mykiss 96 h		
ļ		static		
		LC50: 5.8 mg/L		
		Oncorhynchus mykiss 96 h		-
		semi-static		
		LC50: 11.0-15.0 mg/L		
		Lepomis macrochirus 96 h		
1		static		
		LC50: 54 mg/L Oryzias latipes		
		96 h static		
		LC50: 28.2 mg/L Poecilia		
1		reticulata 96 h semi-static		
1		LC50: 50.87-70.34 mg/L		
		Poecilia reticulata 96 h static		

Chemical Name	Log Pow
Toluene	2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local laws. The use of licensed waste hauler and disposal contractors is advised.

Contaminated Packaging

Do not re-use empty containers. The hazard and precautionary statements displayed on the

label also apply to any residues left in the container.

US EPA Waste Number

D001 D003

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene - 108-88-3	waste number U220	Included in waste streams:		U220
		F005, F024, F025, F039,		
		K015, K036, K037, K149,		
1		K151		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene - 108-88-3			Toxic waste; (waste number F025); Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated	

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Taluene	Toxic
	Ignitable

14. TRANSPORT INFORMATION

DOT

Forbidden by Passenger Air: Cargo only.

UN-No

UN3129

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class Subsidiary Class Packing Group

8

Description

UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl

chloride),4.3,(8),PG II

TDG

UN-No

UN3129

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class Subsidiary Class Packing Group 4.3 (8) II

Description

UN3129,WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.(Diethyliminodiacetate carbamoyl

chloride),4.3(8),PG II

MEX

UN-No

UN-No

UN3129

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class Subsidiary Class Packing Group 4.3 8

Description

UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl

chloride),4.3(8),II

ICAO

Forbidden by Passenger Air: Cargo only.

UN3129

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class 4.3 Subsidiary Class 8 Packing Group !!

Description

UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl

chloride),4.3(8),PG II

<u>IATA</u>

Forbidden by Passenger Air: Cargo only.

UN-No

UN3129 Water-reactive liquid, corrosive, n.o.s.

Proper Shipping Name
Hazard Class
Subsidiary Class
Packing Group

ERG Code Description 4CW UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl

chloride),4.3(8),PG II

IMDG/IMO

UN-No

UN3129

4.3

8

П

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class 4.3
Subsidiary Class 8
Packing Group II
EmS No. F-G, S-N

Description

UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl

chloride),4.3(8),PG II, FP 37.8C

RID

UN-No

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class Packing Group Classification Code 4.3

Description

UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl

chloride),4.3(8),II

ADR/RID-Labels

Ш

WC1

ADR

UN-No

UN3129

Proper Shipping Name Hazard Class

Water-reactive liquid, corrosive, n.o.s.

Packing Group Classification Code

П WC1

Description

UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl

chloride),4.3(8),II

ADR/RID-Labels

ADN

UN-No

UN3129

Proper Shipping Name

Water-reactive liquid, corrosive, n.o.s.

Hazard Class Packing Group Classification Code Special Provisions

П WC1 274

4.3

Description

UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl

chloride),4.3(8),II

Hazard Labels 4.3 + 8**Limited Quantity** LQ10 VE01 Ventilation

15. REGULATORY INFORMATION

International Inventories

TSCA

This product contains ingredients which are not listed on the TSCA Inventory. It is for research

and development purposes only.

DSL

Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

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(DIDCC)

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Toluene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
			RQ 0,454 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Toluene	X	X		X	Х

International Regulations

Mexico - Grade

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm
		Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid D2A Very toxic materials E Corrosive material



Chemical Name	NPRI
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd.

Latham, NY 12110 1-800-572-6501

Issuing Date

25-Oct-2010

Revision Date

Revision Note

Initial Release.

General Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

VanDeMark Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 26-Aug-2010

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Ethyl Chloroformate

UN-No

UN1182

Recommended Use

Intermediate

Synonyms

Carbonochloridic Acid, Ethyl Ester

Supplier Address VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

FLAMMABLE LIQUID AND VAPOR
POISON
May be fatal if inhaled

Very toxic by inhalation
Corrosive

The product causes burns of eyes, skin and mucous membranes Harmful if swallowed

Appearance Clear, Colorless

Physical State Liquid.

Odor Pungent, Irritating

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk

of serious damage to eyes.

Skin

Inhalation

Causes burns.

Very toxic by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking,

headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and

increased heart rate.

Ingestion

Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach. Harmful if swallowed. May cause severe burning pain in the mouth and stomach

with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or

yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of

breath and choking.

Chronic Effects Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw

necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible

risks of irreversible effects.

Aggravated Medical Conditions

None known.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethyl chloroformate	541-41-3	> 99
Phosgene	75-44-5	<0.1

4. FIRST AID MEASURES

General Advice Immediately call a POISON CENTER or doctor/physician.

Eye Contact Immediate medical attention is required. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes.

Inhalation Move to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give

artificial respiration. If breathing is difficult, give oxygen.

Ingestion Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never

give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control

Center immediately.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with

moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

involved, and take precautions to protect themselves. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket

mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Flammable liquid.

Flash Point 60°F / 15.6°C

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding

environment. Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None Yes.

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Specific Hazards Arising from the Chemical

The product causes burns of eyes, skin and mucous membranes. Flammable Keep product and empty container away from heat and sources of ignition. Risk of ignition Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit.

NFPA

Health Hazard 3

Flammability 3 Instability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 3

Flammability 3

Physical Hazard 0

Personal Protection H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin, eyes and inhalation of vapors. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system.

Methods for Containment

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Take precautionary measures against static discharges.

Other Information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

Storage

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosgene	TWA: 0.1 ppm	TWA: 0.1 ppm	IDLH: 2 ppm
75-44-5		TWA: 0.4 mg/m ³	Ceiling: 0.8 mg/m ³ 15 min
		(vacated) TWA: 0.1 ppm	Ceiling: 0.2 ppm 15 min
		(vacated) TWA: 0.4 mg/m ³	TWA: 0.4 mg/m ³
			TWA: 0.1 ppm

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection **Skin and Body Protection Respiratory Protection**

Tightly fitting safety goggles. Face-shield.

Impervious gloves. Chemical resistant apron. Long sleeved clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before reuse. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear, Colorless.

Odor

Pungent, Irritating.

Odor Threshold Flash Point

No information available. No information available.

Physical State

Liquid

60°F / 15.6°C

Autoignition Temperature

No information available.

Decomposition Temperature

No information available.

Boiling Point/Range

95°C / 203°F (at 760 mm Hg)

Melting Point/Range

-80.6°C / -113°F

No information available.

Flammability Limits in Air

No information available.

27.5

3.2

Specific Gravity

Upper

Lower

1.138 @ 68°F No information available Water Solubility **Evaporation Rate**

Explosion Limits

Decomposes >1 (water = 1)

Solubility Vapor Pressure

Bulk Density

57 mmHg @ 70 °F (76 hPa @ 21 Vapor Density

3.74 (air = 1)

°C)

9.5 lbs./gal. **VOC Content (%)** 100

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Incompatible Products

Acids. Bases. Oxidizing agents. Alcohols. Amines. Iron. Metal salts.

Conditions to Avoid

Heat, flames and sparks. Protect from moisture Protect from water.

Hazardous Decomposition

Products

Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride

gas. Carbon oxides. Alcohols. Phosgene.

Hazardous Reactions

Decomposes to hydrogen chloride in the presence of moisture.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

May be fatal if inhaled or if swallowed.

Inhalation

Very toxic by inhalation. Corrosive by inhalation.

Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact

Corrosive. Causes burns.

Ingestion

Toxic if swallowed. Accidental ingestion will cause corrosive burns to the mouth, throat, and digestive tract including stomach.

Chemical Na	me LD50 C	Dral LD50 Dermal	LC50 Inhalation
Ethyl chlorofor	mate 270 mg/kg	(Rat) 7120 mg/kg (Rabbit) 840 mg/m³ (Rat) 1 h
Phosgene			0.084 mg/L (Rat) 30 min

Chronic Toxicity

Chronic Toxicity

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.

Mutagenic Effects

Not mutagenic in AMES Test.

Target Organ Effects

Eyes. Respiratory system. Gastrointestinal tract (GI). Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms L	Daphnia Magna (Water Flea)
Ethyl chloroformate	3.24 mg/L (96-hour EC50)	0.49 mg/L (96-hour LC50)		0.96 mg/L (48-hour EC50)

Persistence and Degradability

Biological degradability (28d): 81-86% @ 30 mg/L

Chemical Name	Log Pow
Ethyl chloroformate	0.63

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging Do not re-use empty containers.

US EPA Waste Number D001

D002 D003

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Phosgene - 75-44-5	P095	Included in waste stream:		
		K116		
	*			

Chemical Name	RCRA - Halogenated	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
	Organic Compounds			
Phosgene - 75-44-5		P095		

California Hazardous Waste Codes

14. TRANSPORT INFORMATION

Note: Forbidden for cargo aircraft and passenger air and rail

DOT

UN1182 **UN-No**

Proper Shipping Name Ethyl Chloroformate

Hazard Class 6.1 **Subsidiary Class** 3,8 **Packing Group**

Special Provisions 2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45

Description UN1182, Ethyl Chloroformate, 6.1(3, 8), PG I, Posion Inhalation Hazard, Zone B

Emergency Response Guide 155

Number

TDG

UN-No UN1182

Proper Shipping Name Ethyl Chloroformate

Hazard Class 6.1 **Subsidiary Class** 3,8 **Packing Group**

Description UN1182, Ethyl Chloroformate, 6.1(3, 8), PG I

MEX

UN-No UN1182

Ethyl Chloroformate **Proper Shipping Name**

Hazard Class 6.1 **Subsidiary Class** 3,8 **Packing Group**

Description UN1182, Ethyl Chloroformate, 6.1(3, 8), PG I

IATA Forbidden **UN-No** UN1182

Proper Shipping Name Ethyl Chloroformate

Hazard Class 6.1

14. TRANSPORT INFORMATION

Subsidiary Class

ERG Code

3, 8 6CF

Description

UN1182, Ethyl Chloroformate, 6.1 (3, 8), I

IMDG/IMO

UN-No

UN1182

Proper Shipping Name Subsidiary Class

Ethyl Chloroformate 3,8

Packing Group

EmS No.

F-E, S-C

Description

UN1182, Ethyl Chloroformate, 6.1 (3, 8), I, FP 15.6C

RID

UN-No

UN1182

Proper Shipping Name

Ethyl Chloroformate

Hazard Class Packing Group 6.1

Classification Code

TFC

Description

UN1182, Ethyl Chloroformate, 6.1(3, 8), I

ADR/RID-Labels

6.1 + 3 + 8

ADR

UN-No

1182

Proper Shipping Name

Ethyl Chloroformate

Hazard Class Packing Group 6.1

Classification Code

TFC

Description

UN1182, Ethyl Chloroformate, 6.1(3, 8), I

ADR/RID-Labels

6.1 + 3 + 8

ADN

UN-No

UN1182

Proper Shipping Name

Ethyl Chloroformate 6.1

Hazard Class Packing Group Classification Code

TFC

Special Provisions Description

802 UN1182, Ethyl Chloroformate, 6.1(3, 8), I

Hazard Labels Limited Quantity Ventilation

6.1 + 3 + 8LQ0 VE01, VE02

15. REGULATORY INFORMATION

International Inventories

Complies **TSCA** DSL Complies **EINECS** Complies Complies **ELINCS** Complies **ENCS IECSC** Complies Complies KECL Complies **PICCS AICS** Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

15. REGULATORY INFORMATION

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold
		l	Values %
Ethyl chloroformate	541-41-3	99	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosgene	10 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Phosgene	10 lb	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

1	Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
	Ethyl chloroformate	×	x	X		

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Oh amia al Nama	NPRI
Chemical Name	I NPKI

Ethyl chloroformate X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd. Latham, NY 12110

1-800-572-6501 26-Aug-2010

Issuing Date

Revision Date Revision Note

No information available

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet



SAFETY DATA SHEET

Issuing Date 07-Aug-2007

Revision Date 21-Dec-2010

Revision Number 1

PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name

Hexaethyl Guanidinium Chloride

Synonyms

HeGCI

Pure substance/preparation

Preparation

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Chemical intermediate

Uses advised against

No information available

Details of the supplier of the safety data sheet

Company

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094, USA Telephone: 716-433-6764

For further information, please contact

E-mail Address

sales@vdmchemical.com

Emergency telephone number

Emergency Telephone

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

Emergency Telephone §45 - (EC)1272/2008 112

Europe

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Classification

For the full text of the R-phrases mentioned in this Section, see Section 16

Xn;R22 Xi;R36/37/38 R52/53

Most Important Hazards

Harmful if swallowed

Irritating to eyes, respiratory system and skin

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Label Elements



Indication of danger

Xn - Harmful

R-phrase(s)

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase(s)

S23 - Do not breathe gas/fumes/vapor/spray

S60 - This material and its container must be disposed of as hazardous waste

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Caution - this preparation contains a substance not yet fully tested

Contains Hexaethyl guanidinium chloride.

Other information

Caution - this preparation contains a substance not yet fully tested. May cause adverse effects on health by chronic exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature of the Preparation Aqueous solution of organic and inorganic salts.

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Water	231-791-2	7732-18-5	45-65	-	-	No data available
Hexaethyl guanidinium chloride	Not yet assigned	69082-76-4	30-40	Xn;R22 Xi;R36/37/38 R52/53	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	No data available
Sodium chloride (NaCl)	231-598-3	7647-14-5	5-15	-		No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of first-aid measures

General Advice

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Page 2/8

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove and wash

contaminated clothing before re-use. If skin irritation persists, call a physician.

Ingestion Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person.

Do not induce vomiting without medical advice. Call a physician or Poison Control Center

immediately.

Inhalation Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Artificial

respiration and/or oxygen may be necessary. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Hydrogen chloride gas, nitrogen oxides (NOx).

Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for Cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Page 3/8

Reference to other sections

Other information

See Section 12 for additional information.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store at room temperature. Shelf life 60 months.

Specific End Use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)
Predicted No Effect Concentration

(PNEC)

No information available. No information available.

Exposure controls

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal protective equipment

Eye Protection

Skin and Body Protection

Hand Protection

Respiratory Protection

Tightly fitting safety goggles.

Long sleeved clothing. Apron. Impervious gloves.

Neoprene gloves

In case of insufficient ventilation wear suitable respiratory equipment. Breathing apparatus with

filter

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Wash hands and face before breaks and immediately after handling

the product

Environmental Exposure Controls

Do not allow material to contaminate ground water system. Prevent product from entering

drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Page 4/8

Physical State Liqu	id	Appearance	Clear, amber colored
Odor Slig	nt	••	
Property	<u>Values</u>	Remarks/ Method	
pH	6-9	None known	
Melting Point/Range	175°C / 347°F	None known	
Boiling Point/Range	No data available	None known	
Flash Point	No data available	None known	
Evaporation rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Vapor Pressure	No data available	None known	
Vapor Density	No data available	None known	
Relative Density	No data available	None known	
Specific Gravity	No data available	None known	
Water Solubility	Soluble in water.	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/wate	r No data available	None known	
Autoignition Temperature	No data available	None known	
Decomposition Temperature	No data available	None known	
Viscosity	No data available	None known	
Explosive Properties	No information available		
Oxidizing Properties	No information available		
Other information			
VOC Content (%)	No information available		
	10. STABILITY	AND REACTIVITY	

Reactivity

Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization

No information available.

Hazardous Reactions

No information available

Conditions to Avoid

Extremes of temperature and direct sunlight.

Materials to Avoid

Strong acids. Strong bases.

Hazardous Decomposition Products

Decomposes in alkaline solution. Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Hazardous Decomposition Products: Tetraethylurea. Diethylamine. Nitrous vapors. Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

Page 5/8

Product Information

Product is harmful by ingestion.

Inhalation

There is no data available for this product.

Eye Contact

There is no data available for this product.

Skin Contact

There is no data available for this product.

Ingestion

There is no data available for this product.

LD50 Oral:

1400 mg/kg (rat)

Component Information

Caution - this preparation contains a substance not yet fully tested

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chloride (NaCl)	3 g/kg(Rat)	10 g/kg (Rabbit)	42 g/m³(Rat) 1 h
Water	90 mL/kg(Rat)		

Chronic Toxicity

Sensitization

No information available.

Target Organ Effects

No information available.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity Effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The environmental impact of this product has not been fully investigated. Evaluation based on data from a similar compound, HeGBr

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium chloride (NaCl)	N/A	LC50: 5560-6080 mg/L	N/A	EC50: 1000 mg/L Daphnia
1		Lepomis macrochirus 96 h		magna 48 h
		flow-through		EC50: 340.7 - 469.2 mg/L
1 1		LC50: 12946 mg/L Lepomis		Daphnia magna 48 h Static
		macrochirus 96 h static		
		LC50: 6020-7070 mg/L	•	
		Pimephales promelas 96 h		
		static		
		LC50: 7050 mg/L Pimephales		
		promelas 96 h semi-static		
		LC50: 6420-6700 mg/L		
		Pimephales promelas 96 h		
]		static		
i i		LC50: 4747-7824 mg/L		
1		Oncorhynchus mykiss 96 h		
		flow-through		

Persistence and degradability

Product is not biodegradable.

Bioaccumulative potential.

Page 6/8

Product has a low potential to bioconcentrate

Mobility

The product is water soluble, and may spread in water systems.

Results of PBT and vPvB assessment

Other adverse effects

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues/Unused Products

Waste is classified as hazardous. Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

IMDG/IMO

Not regulated

RID

Not regulated

ADR

Not regulated

ICAO

Not regulated

<u>IATA</u>

Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Take note of Dir 94/33/EC on the protection of young people at work. Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

International Inventories

All of the components in the product are on the following Inventory lists: U.S.A. (TSCA), Canada (DSL/NDSL), China (IECSC), The EEC inventory status for this product has not yet been established, The classification and labelling information in this Safety Data Sheet should be viewed as provisional.

TSCA

Complies

EINECS/ELINCS DSL/NDSL PICCS Does not comply Listed on NDSL Does not comply Does not comply

ENCS IECSC

Complies
Does not comply

AICS KECL

Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

Chemical Safety Assessment

No information available

16. OTHER INFORMATION

Full text of R-phrases referred to under Sections 2 and 3

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H335 - May cause respiratory irritation

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

Issuing Date

07-Aug-2007

Revision Date

21-Dec-2010

Revision Note

Update to Format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclaimer

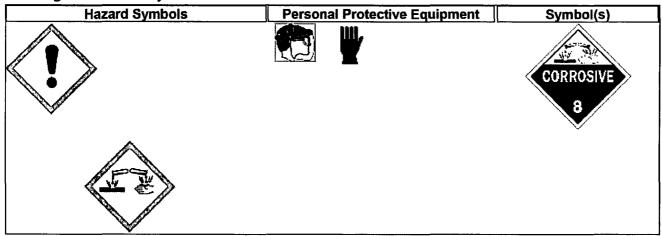
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet

VanDeMark

Safety Data Sheet

Phosgene Chemistry • Custom Chemicals



Issuing Date 23 February 2011

Revision Date

Revision Number 0

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name

Hydrochloric Acid

UN-No

UN1789

Recommended Use

Intermediate

Contact Manufacturer
VanDeMark Chemical Inc.

1 North Transit Road Lockport, NY 14094, USA Telephone: 716-433-6764

Emergency Telephone Number

716-433-6764 or CHEMTREC 1-800-424-9300 (NORTH AMERICA)

E-mail Address

No information available

Registration number

No information available

2. HAZARDS IDENTIFICATION

GHS-Classification

Signal Word

Danger





Hazard Statements

- · Harmful if swallowed
- · Causes severe skin burns and eye damage
- · Causes serious eye damage
- · May cause respiratory irritation

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ systemic toxicity (single exposure)	Category 3

Physical Hazards

Precautionary Statements

- · Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapours/spray
- · Wash face, hands and any exposed skin thoroughly after handling
- . Do no eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- IF IN EYES: Rinse cautiously with water for several minuts. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTRE or doctor/physician
- · IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- · Call a POISON CENTRE or doctor/physician if you feel unwell
- IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician
- · Rinse mouth
- Store in a well-ventilated place. Keep container tightly closed
- · Store locked up
- · Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS-No	Weight %	EC-No
Water	7789-20-0	65	EEC No. 232-148-9
Hydrogen chloride	7698-05-7	35	EEC No. 231-715-8

^{**}Deuterium chloride is a non-radioactive isotopologue of Hydrogen chloride (CAS #7647-01-0). Regulatory information is included where applicable for hydrogen chloride.

4. FIRST AID MEASURES

General Advice Call 211 or emergency medical service. Remove and isolate contaminated clothing and shoes.

Eye Contact Immediate medical attention is required. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Consult a physician if necessary.

Inhalation Move victim to fresh air. If breathing has stopped, contact emergency medical services

immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Immediate medical attention is required. Remove from exposure, lie down. Do NOT induce

vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by

mouth to an unconscious person. Call a physician or poison control centre immediately.

Notes to physician Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to

substance may be delayed.

Protection of First-aiders Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way

valve or other proper respiratory medical device.

5. FYRE-FIGHTING MEASURES

Flammable Properties

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable deuterium gas.

Suitable Extinguishing Media

CO₂(except for cyanides), dry chemical, dry sand, alcohol-resistant foam. Use water spray or fog; do not use straight streams. Dike fire control water for later disposal; do not scatter the material. Move containers from fire area if you can do it without risk.

Extinguishing media which must not be used for safety reasons

Note: Most foams will react with the material and release corrosive/toxic gases.

Specific hazards arising from the chemical

Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Substance will react with water (some violently), releasing corrosive and/or toxic gases.. Reaction with water may generate much heat which will increase the concentration of fumes in the air.. Containers may explode when heated or if contaminated with water.

Protective equipment and precautions for fyrefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation. Do not touch damaged containers or spilled material unless

wearing appropriate protective clothing. Stop leak if you can do it without risk.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Use water spray to

reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled

material.

Methods for containment Dike far ahead of spill; use dry sand to contain the flow of material.

Methods for Cleaning Up Neutralize with soda ash (sodium carbonate) or lime over area of spill. Take up with sand or

other noncombustable absorbent material and place into containers for later disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product

from entering drains.

Other Information

Wear personal protective equipment. Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. In

case of insufficient ventilation, wear suitable respiratory equipment.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of

children. Keep in properly labelled containers.

Incompatible products

Incompatible with strong acids and bases. Incompatible with oxidizing agents. Metal oxides.

Amines. Cyanides. Sulfites. formaldehyde. Hydroxides.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	EU
Hydrogen chloride	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm	CEV: 2 ppm	TWA: 5 ppm
		(vacated) Ceiling: 7 mg/m³		TWA: 8 mg/m ³
		Ceiling: 5 ppm		STEL: 10 ppm
		Ceiling: 7 mg/m ³		STEL: 15 mg/m ³

Chemical Name	China	Japan	Korea	ES-TWA
Hydrogen chloride	Ceiling: 7.5 mg/m ³	Ceiling: 5 ppm	STEL: 2 ppm	
		Ceiling: 7.5 mg/m ³	STEL: 3 mg/m ³	
	Ì	1	TWA: 1 ppm	
	1		TWA: 1.5 mg/m ³	

Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face protection **Skin and Body Protection Respiratory Protection**

Tightly fitting safety goggles. Face-shield.

Impervious clothing, Impervious gloves, Chemical resistant apron.

No protective equipment is needed under normal use conditions. In case of insufficient

ventilation wear suitable respiratory equipment.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. For environmental protection, remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

liquid

Appearance

Colourless to faint yellow

Odour

strong acidic

Odour Threshold

No information available No data available

pН

Melting Point/Range No data available Freezing Point No information available **Initial Boiling Point** No information available 230°F

Boiling Point/Range

Flash Point not determined No data available **Evaporation Rate**

Flammable Properties

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable deuterium gas. Lower no data available

Flammability Limits in Air

Upper no data available No information available No information available

Explosive Properties Oxidising Properties Vapour Pressure **Vapour Density Specific Gravity** Density

760 mmHg @ 230°F No data available no data available 1.26 g/cm3@ 20°C

Water Solubility

Liquid No information available

Solubility Partition Coefficient: n-octanol/water no data available **Autoignition Temperature Decomposition Temperature °C**

No data available No information available No information available

10. STABILITY AND REACTIVITY

Stability

Viscosity

Stable under recommended storage conditions.

Conditions to Avoid

Excessive heat.

Incompatible products

Incompatible with strong acids and bases. Incompatible with oxidizing agents. Metal oxides. Amines. Cyanides. Sulfites.

formaldehyde. Hydroxides.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and

vapours.

Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name LD50 Oral		LD50 Dermal	LC50 Inhalation	
Hydrogen chloride	700 mg/kg (Rat)	5010 mg/kg (Rabbit)	3124 ppm (Rat) 1 h	

Chronic Toxicity

Carcinogenicity

There are no known carcinogenic chemicals in this product

Irritation

Corrosive to eyes. Corrosive to skin.

Corrosivity

This product is corrosive to living tissue.

Sensitisation

May cause sensitisation of susceptible persons.

Neurological Effects

No information available

Mutagenic Effects

No information available.

Reproductive toxicity

No information available

Developmental Toxicity

No information available

Target Organ Effects

Respiratory system, Eyes, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia magna (Water flea)
Hydrogen chloride		LC50= 282 mg/L Gambusia		
		affinis 96 h		

Persistence and Degradability

Product is not biodegradable.

Bioaccumulation

No information available

Mobility

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers.

US EIA Waste Number

D002

14. TRANSPORT INFORMATION

IMDG/IMO

Proper Shipping Name

Hydrochloric acid

Hazard Class UN-No

UN1789

Packing Group EmS

H F-A, S-B

Description

UN1789, Hydrochloric acid,8,PG II

ICAO

UN-No

UN1789

Proper Shipping Name

Hydrochloric acid

Hazard Class Packing Group 8

Description

Hydrochloric acid,8,UN1789,PG II

IATA

UN-No

UN1789

Proper Shipping Name

Hydrochloric acid

Hazard Class Packing Group 8 11

ERG Code Description

UN1789, Hydrochloric acid, 8, PG II

DOT

Proper shipping name

Hydrochloric acid

Hazard Class UN-No

8

Packing group

UN1789

Description

UN1789, Hydrochloric acid, 8,, PG II

TDG

Proper shipping name

Hydrochloric acid

Hazard Class UN-No

UN1789

Packing group

Description

HYDROCHLORIC ACID,8,UN1789,PG II

MEX

Proper shipping name

Hydrochloric acid

Hazard Class

8

UN-No Packing group UN1789

Description

UN1789 Hydrochloric acid,8,II

RID

Proper Shipping Name

Hydrochloric acid

Hazard Class

8

UN-No Packing Group UN1789

Classification Code

Ш

C1

Description

UN1789 Hydrochloric acid,8,II,RID 8

ADR/RID-Labels

ADR

Proper Shipping Name

Hydrochloric acid

Hazard Class UN-No

UN1789

Packing Group Classification Code II C1

Description

UN1789 Hydrochloric acid,8,II

ADN

Proper shipping name

Hydrochloric acid

Hazard Class
Packing group
Classification Code

II C1

Special Provisions
Description

520 UN1789 Hydrochloric acid,8,II

Hazard Labels Limited quantity 8 LQ22

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

REACH Title VII Restrictions

No information available

Industrial Safety and Health Law:

	Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names	Pollution Release and Transfer	Pollution Release and Transfer	Poison and Deleterious Substances Control
				Are to be Indicated on the Label	Registry (Class	Registry (Class I):	
ľ	Hydrogen chloride	>=>=0.1 % weight	Not applicable	Not applicable	Not applicable	Not applicable	Deleterious

	Chemical Name	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
1	Hydrogen chloride	Not applicable	Not applicable	Not applicable	Not applicable	>= 1.0 %

16. OTHER INFORMATION

Issuing Date

23 February 2011

Revision Date

Revision Note

No information available

Recommended Restrictions

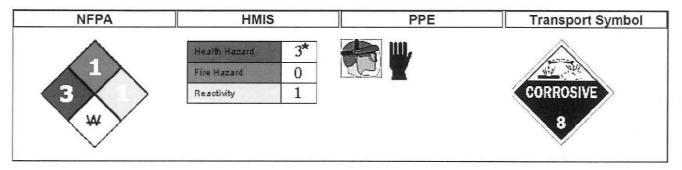
No information available

<u>Disclaimer</u>
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet



Material Safety Data Sheet



Issuing Date 13-Feb-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Lauroyl Chloride

UN-No

UN3265

Synonyms

Dodecanoyl chloride

Recommended Use

Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number

Chemtrec: 1-800-424-9300 for US/703-527-3887 outside US

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes Harmful by inhalation, in contact with skin and if swallowed

Appearance Clear

Physical State Slurry

Odor Piquant

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Acute Toxicity

Eyes

Avoid contact with eyes. Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

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Skin

Avoid contact with skin and clothing. Causes burns.

Inhalation

Avoid breathing vapors or mists. Harmful by inhalation. Irritating to respiratory system. Causes

burns

Ingestion

Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat,

and stomach. Harmful if swallowed.

Chronic Effects

Avoid repeated exposure. Possible risks of irreversible effects.

Aggravated Medical Conditions

Respiratory disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dodecanoyl chloride	112-16-3	60-100

4. FIRST AID MEASURES

General Advice

Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact

Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

emoving all contaminated clothes and shoes.

Inhalation

Move to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give

artificial respiration. If breathing is difficult, give oxygen.

Ingestion

Immediate medical attention is required. Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control

Center immediately.

Notes to Physician

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with most rales from any occur with relief process. Treat complete may occur with

moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Combustible liquid.

Flash Point

> 130°C / > 266°F

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO₂). Dry powder. Dry chemical.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None None Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear

NFPA Health Hazard 3

Flammability 1 Stability 0

Physical and Chemical

Hazards W

HMIS

Health Hazard 3*

Flammability 1

Stability 0

Personal Precautions D

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin,

eyes and clothing. Keep people away from and upwind of spill/leak.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up

mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces

with water.

Other Information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure

adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed

in a dry, cool and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Measures Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Tightly fitting safety goggles. Face-shield.

Wear protective gloves/clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high

airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Keep away from food,

drink and animal feeding stuffs. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear Odor

Piquant

Odor Threshold

No information available

Physical State

Slurry

pН

Not applicable

Flash Point

> 130°C / > 266°F

Autoignition Temperature

No information available

Decomposition Temperature

No information available

Boiling Point/Range

134-137°C / 273.2- 278.6°F

Melting Point/Range

No information available

Flammability Limits in Air

No information available

Explosion Limits

No information available

Specific Gravity

0.946 @20 °C

Solubility

No information available

Evaporation Rate

No information available

Vapor Pressure

0.01 mmHg

Vapor Density

-0.33 (air=1)

VOC Content

Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Incompatible Products

Water. Incompatible with oxidizing agents. Bases. Alcohols.

Conditions to Avoid

Exposure to air or moisture over prolonged periods. Protect from water.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride.

Carbon monoxide (CO). Carbon dioxide (CO₂).

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Irritation

Causes severe irritation and or burns.

LD50 Oral VALUE (mg/kg)

4000 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure. Possible risks of irreversible effects.

Target Organ Effects

Skin, Eyes, Respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR Waste Disposal Method

261). Should not be released into the environment. Dispose of in accordance with local

regulations.

Contaminated Packaging

Do not re-use empty containers.

US EPA Waste Number

D002

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class

UN3265

UN-No **Packing Group**

Description

Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,UN3265,PG II

TDG

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class

UN-No

UN3265

Packing Group

Description

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(Dodecanoyl chloride),8,UN3265,PG II

MEX

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class

UN-No

UN3265

Packing Group

Ш

Description

UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,ll

<u>ICAO</u>

UN-No

UN3265

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class

Packing Group

Description

Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,UN3265,PG II

<u>IATA</u>

UN-No

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s. 8

Hazard Class Packing Group ERG Code

II 8L

Description

UN3265, Corrosive liquid, acidic, organic, n.o.s. (Dodecanoyl chloride), 8, PG II

14. TRANSPORT INFORMATION

IMDG/IMO

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class Subsidiary Class

UN-No **Packing Group** UN3265 П

EmS No.

F-A, S-B

Description

UN3265, Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8(+),PG !!

RID

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class

UN-No Packing Group UN3265 11

Classification Code C3

Description ADR/RID-Labels UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II,RID

<u>ADR</u>

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class

UN3265

UN-No Packing Group

П

Classification Code

C3

C3

Description

UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II

<u>ADN</u>

Proper Shipping Name

Corrosive liquid, acidic, organic, n.o.s.

Hazard Class Packing Group Classification Code Special Provisions

8 П

Description

274 UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II

Hazard Labels 8 **Limited Quantity** LQ22

15. REGULATORY INFORMATION

International Inventories

TSCA Complies Complies DSL/NDSL **EINECS/ELINCS** Complies **ENCS** Complies Complies **IECSC** KECL Complies **PICCS** Complies **AICS** Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

E Corrosive material



16. OTHER INFORMATION

Issuing Date

13-Feb-2008

Revision Date

Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS



Material Safety Data Sheet

Issuing Date 12-Apr-2010

Revision Date 16-Jun-2010

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Pentyl Chloroformate

UN-No

UN2742

Recommended Use

Intermediate

Synonyms

Amyl Chloroformate

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Highly toxic Combustible Corrosive

May be fatal if inhaled, absorbed through skin, or swallowed The product causes burns of eyes, skin and mucous membranes

Appearance Coloriess to pale yellow

Physical State Liquid.

Odor Pungent

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes Skin Inhalation

Ingestion

Corrosive to the eyes and may cause severe damage including blindness.

Corrosive to skin. Causes burns.

Toxic by inhalation. Causes burns. Aspiration may cause pulmonary edema and pneumonitis. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Toxic if swallowed. May cause severe burning pain in the mouth and stomach with vomiting

and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking.

Chronic Effects

Avoid repeated exposure. Prolonged exposure may cause chronic effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal

disturbances may also be seen.

Page 1/8

Aggravated Medical Conditions

Skin disorders. Respiratory disorders. Lungs. Pre-existing eye disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Carbonochloridic acid, pentyl ester	638-41-5	>99

4. FIRST AID MEASURES

General Advice

Immediately call a POISON CENTER or doctor/physician.

Eye Contact

Immediate medical attention is required. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Do not rub affected area.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Remove and wash contaminated clothing before re-use.

Inhalation

Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate

medical attention/advice. Aspiration into lungs can produce severe lung damage.

Ingestion

Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Rinse mouth.

Never give anything by mouth to an unconscious person.

Notes to Physician

Treat symptomatically. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood

pressure may occur with moist rales, frothy sputum, and high pulse pressure.

Protection of First-aiders

Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid

direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Combustible liquid.

Flash Point

128.3°F / 53.5°C

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry powder. Foam.

Unsuitable Extinguishing Media

DO NOT USE WATER.

Explosion Data Sensitivity to Mechanical Impact Sensitivity to Static Discharge

No. Yes.

Specific Hazards Arising from the

Chemical

Thermal decomposition can lead to release of toxic and corrosive gases/vapors.

Protective Equipment and **Precautions for Firefighters** Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear.

Page 2/8

NFPA Health Hazard 3 Flammability 2 Stability 1 Physical and Chemical Hazards N/A **HMIS** Health Hazard 3 Flammability 2 Physical Hazard 1 Personal Protection C **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions Remove all sources of ignition. Take precautionary measures against static discharges. Use personal protective equipment. Avoid contact with skin, eyes and inhalation of vapors. Ensure

adequate ventilation.

Environmental Precautions Refer to protective measures listed in Sections 7 and 8. Prevent product from entering drains.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material. Keep in suitable and closed containers for

disposal. Clean contaminated surface thoroughly. Prevent product from entering drains,

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin,

eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Wear personal protective equipment. Do not

breathe vapors or spray mist.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Handle under nitrogen

and protect from moisture. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Measures

Eyewash stations Ventilation systems

Personal Protective Equipment
Eye/Face Protection

Skin and Body Protection Respiratory Protection

Tightly fitting safety goggles. Face-shield.
Impervious gloves. Chemical resistant apron. Long sleeved clothing.
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory

protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. **Hygiene Measures**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor Threshold pH Colorless to pale yellow. No information available. No information available

Odor Physical State Pungent. Liquid

Flash Point Decomposition Temperature No information available 128.3°F / 53.5°C No information available

Autoignition Temperature Boiling Point/Range

265°C 60-62°C @ 15 mbar

Meiting Point/Range Flammability Limits in Air No information available

No information available

00-02 O @ 10 111bar

Solubility Vapor Pressure Liquid Density No information available 3 mbar @ 25°C 1.032 @ 20°C

Evaporation Rate Vapor Density

Explosion Limits

No information available

No information available

No data available

VOC Content (%) 100

10. STABILITY AND REACTIVITY

Stability

Decomposes in contact with water.

Incompatible Products

Strong oxidizing agents. Bases. Alcohols. Amines.

Conditions to Avoid

Exposure to air or moisture over prolonged periods. Extremes of temperature and direct

sunlight.

Hazardous Decomposition Products

Carbon oxides. Hydrogen chloride. Halogenated compounds.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

May be fatal if inhaled, absorbed through skin, or swallowed.

Inhalation

Toxic by inhalation. Inhalation may cause severe respiratory irritation and pulmonary edema.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact

Corrosive, Causes burns.

Ingestion

Toxic if swallowed.

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure. Prolonged exposure may cause chronic effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.

Target Organ Effects

Skin. Eyes, Respiratory system.

Page 4/8

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging

Do not re-use empty containers.

US EPA Waste Number

D001 D002

California Hazardous Waste Codes

14. TRANSPORT INFORMATION

DOT

UN-No

UN2742

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class

6.1 н

Packing Group Special Provisions

5, IB1, T7, TP2

Description

UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(8,3), PG II

Emergency Response Guide

Number

155

TDG

UN-No

UN2742

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s. **Hazard Class** 6.1

Subsidiary Class 3,8

Packing Group 11 Special Provisions

UN2742, CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S., 6.1(3, 8), PG II Description

MEX

UN-No

UN2742

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s. 6.1

Hazard Class Subsidiary Class Special Provisions

3,8 None

Packing Group

Description

UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), II

ICAO

UN-No

UN2742

Proper Shipping Name Hazard Class

Chloroformates, toxio, corrosive, flammable, n.o.s.

Subsidiary Class Packing Group

6.1 3,8 ĬĬ,

Page 5/8

	14. TRANSPORT INFORMATION			
Special Provisions Description	None UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II			
IATA_				
UN-No Proper Shipping Name Hazard Class Subsidiary Class Packing Group ERG Code Special Provisions Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s. 6.1 3, 8 II 6CF None UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II			
IMDG/IMO				
UN-No Proper Shipping Name Hazard Class Subsidiary Class Packing Group EmS No. Special Provisions Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s. 6.1 3, 8 II F-E, S-C None UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II			
RID	•			
UN-No Proper Shipping Name Hazard Class Packing Group Classification Code Special Provisions Description ADR/RID-Labels	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s. 6.1 II TFC 274, 561 UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(3, 8), II 6.1 + 3 + 8			
ADR				
UN-No Proper Shipping Name Hazard Class Packing Group Classification Code Special Provisions Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s. 6.1 II TFC 274, 561 UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(3, 8), II			
ADR/RID-Labels	6.1 + 3 + 8			
ADN				
UN-No Proper Shipping Name Hazard Class Packing Group Classification Code Special Provisions Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s. 6.1 II TFC 274, 561, 802 UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(3, 8), II			
Hazard Labels Limited Quantity Ventilation	6,1 + 3 + 8 LQ17 VE01, VE02			

Page 6/8

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL Not determined NDSL Complies **EINECS** Complies **ELINCS** Complies Not determined Not determined **ENCS** IECSC Not determined KECL. **PICCS** Complies AICS Not determined

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IEGSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

KECL - Representation of Existing Chemical Substances

KECL - Representation of Existing Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

<u>Clean Water Act</u>

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive
Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization
Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

Page 7/8

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class B3 Combustible liquid
E Corrosive material



16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501

Issuing Date Revision Date **Revision Note**

12-Apr-2010 16-Jun-2010 Initial Release.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

VanDeMark

SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of the substance

Phenyl Chloroformate

Identification number

1885-14-9

Registration number

Synonyms

21-February-2012

Date of first issue Version number

01

None.

Revision date

Supersedes date

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Industrial chemical.

Uses advised against

None known.

Details of the supplier of the safety data sheet

Supplier

Company name

VanDeMark Chemical Inc.

Address

1 North Transit Road, Lockport, NY 14094, USA

Telephone

+1 716-433-6764

Contact person

Not available.

Emergency telephone

+1-703-527-3887, International

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification

T+;R26, C;R34, Xn;R22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral

Category 4

Harmful if swallowed.

Acute toxicity, inhalation

Category 2

Fatal if inhaled.

Skin corrosion/irritation

Category 1

Causes severe skin burns and eye

damage.

Hazard summary

Physical hazards

Not classified for physical hazards.

Health hazards

Harmful if swallowed. Very toxic by inhalation. Causes burns.

Environmental hazards

Not classified for hazards to the environment.

Specific hazards

Corrosive. Prolonged contact causes serious eye and tissue damage. Inhalation of vapour or mist

may cause lung oedema. Ingestion: May have a corrosive effect on the digestive canal.

Main symptoms

Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause

severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:

Phenyl chloroformate

Identification number

1885-14-9



Signal word

Danger

Phenyl Chloroformate

Hazard statements

Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage.

Precautionary statements

Prevention

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face

protection. Do not eat, drink or smoke when using this product.

Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Immediately call a POISON CENTRE or doctor/physician.

Storage

Keep container tightly closed.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

None.

Other hazards

None known.

Section 3: Composition/information on ingredients

Substance

General information

Chemical name

CAS-No. / EC No. REACH Registration No. % INDEX No. **Notes**

Phenyl chloroformate

99 - 100

1885-14-9

217-547-8

Classification:

DSD: T+;R26, C;R34, Xn;R22

CLP: Acute Tox. 4;H302, Skin Corr. 1;H314, Acute Tox. 2;H330

DSD: Directive 67/548/EEC CLP: Regulation No. 1272/2008.

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information

Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Description of first aid measures

Inhalation

Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.

Skin contact

Immediately remove contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Chemical burns must be treated by a physician.

Eye contact

Ingestion

Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

Immediately rinse mouth and drink plenty of water. Keep victim under observation. Do not induce vomiting. Get medical attention immediately.

Most important symptoms and

Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

effects, both acute and delayed Indication of any immediate

Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

medical attention and special treatment needed

Section 5: Firefighting measures

General fire hazards

The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures.

Extinguishing media

Suitable extinguishing

media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing

media

Water.

Special hazards arising from the substance or mixture

The product reacts with water and will generate heat. Produce toxic and/or corrosive substances on contact with water. By heating and fire, toxic vapours/gases may be formed. Vapours may form explosive mixtures with air.

Phenyl Chloroformate

SDS EU

Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire

precautions indicated in the workplace.

Special firefighting procedures

Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use standard firefighting

procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Evacuate area. Eliminate all sources of ignition. Keep upwind, Avoid inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wear suitable protective clothing. For personal

protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

Environmental precautions

Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.

Reference to other sections

See Section 8 for personal protective equipment. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

All handling to take place in well-ventilated area. Use explosion-proof ventilation equipment. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Provide adequate ventilation. Keep away from heat, sparks and open flame. Keep container

tightly closed. Store away from incompatible materials.

Specific end use(s)

Industrial chemical.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

controls

Follow standard monitoring procedures.

DNEL Not available **PNEC** Not available.

Exposure controls

Appropriate engineering

Should be handled in closed systems, if possible. Provide adequate ventilation. Local ventilation

should be provided. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

General information

Personal protective equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear tight-fitting goggles or face shield.

Skin protection

- Hand protection Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is

advisable. In full contact: Glove material: Viton. Layer thickness: 0,7 mm Breakthrough time: >

480 min. Suitable gloves can be recommended by the glove supplier.

- Other Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection Wear suitable respiratory protection. Use respiratory equipment with gas filter, type A2.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

Environmental exposure

controls

Contain spills and prevent releases and observe national regulations on emissions.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Clear liquid. Physical state Liquid. Form Liquid.

Phenyl Chloroformate SDS EU 3/7

Colour

Clear

Odour

Pungent.

Odour threshold

Not available.

рΗ

Not applicable.

Melting point/freezing

-38 °C (-36,4 °F)

Boiling point, initial boiling

point, and boiling range

75 °C (167 °F) (13 mmHg)

Flash point

77 °C (170,6 °F) Not applicable.

Auto-ignition temperature Flammability (solid, gas)

Flammability limit - lower

Not applicable. Not available.

Flammability limit - upper

Not available.

(%)

Oxidising properties

Not available. Not available.

Explosive properties Explosive limit

Not available. < 1 mm Hg (20 °C)

Vapour pressure Vapour density

Not available. Not available.

Evaporation rate Relative density Relative density

Not available. 1,248 (20 °C)

temperature Solubility (water)

Reacts with water.

Partition coefficient (n-octanol/water)

Not available.

Decomposition

Not available.

temperature Viscosity

Not available.

Percent volatile

Not available.

Other data

Molecular formula

C7H5ClO2

Other information

No relevant additional information available.

Section 10: Stability and reactivity

Reactivity

Material reacts with water.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

reactions

Decomposes in the presence of water. Decomposes on heating.

Conditions to avoid Incompatible materials Heat, flames and sparks. Moisture. Strong oxidising agents, Water, Acids, Amines, Alcohols,

Hazardous decomposition

products

Carbon oxides. Hydrogen chloride. Phenol.

Section 11: Toxicological information

General information

Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion

May cause burns in mucous membranes, throat, oesophagus and stomach.

Inhalation

Can cause severe respiratory irritation. Inhalation of vapour or mist may cause lung oedema. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after

exposure.

Skin contact

Causes skin burns.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Symptoms

Corrosive effects, Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Shortness of breath.

Information on toxicological effects

Phenyl Chloroformate

SDS EU

Acute toxicity

Fatal if inhaled. Harmful if swallowed.

Product

Test results

Phenyl chloroformate (1885-14-9)

Acute Dermal LD50 Rabbit: 3970 ul/kg

Acute Oral LD50 Rat: 1410 ul/kg

Skin corrosion/irritation

Causes skin burns.

Serious eye damage/eye

Causes serious eye damage.

irritation

Respiratory sensitisation

No data available.

Skin sensitisation

No data available.

Germ cell mutagenicity Carcinogenicity

No data available. No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure No data available.

Specific target organ toxicity - repeated

No data available.

exposure

Aspiration hazard Mixture versus substance No data available.

information

Not available.

Other information

Not available

Section 12: Ecological information

Toxicity

Product

Test results

Phenyl chloroformate (1885-14-9)

LC50 Leuciscus idus: 10 - 22 mg/l 96 hours

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility

No data available.

Environmental fate -Partition coefficient

Not available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

Harmful to aquatic life.

Section 13: Disposal considerations

Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the

ground.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is

emptied.

EU waste code

16 03 05*

Waste codes should be assigned by the user based on the application for which the product was

used.

Section 14: Transport information

ADR

UN number

UN2746

UN proper shipping name

PHENYL CHLOROFORMATE

Transport hazard class(es) Subsidiary class(es) Packing group

8 П

6.1

Environmental hazards Tunnel restriction code

No D/E 6.1

+8

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Phenyl Chloroformate

Labels required

SDS EU 5/7

RID

UN2746 UN number

UN proper shipping name PHENYL CHLOROFORMATE

Transport hazard class(es) 6.1 Subsidiary class(es) 8 Packing group H **Environmental hazards** No Labels required 6.1 + 8

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number

UN proper shipping name Phenyl Chloroformate

Transport hazard class(es) 6.1 8 Subsidiary class(es) H Packing group **Environmental hazards** Nο Labels required 6.1 + 8

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN2746 **UN number**

Phenyl chloroformate UN proper shipping name

Transport hazard class(es) 6.1 Subsidiary class(es) 8 Packing group 11 **Environmental hazards** Nσ **ERG Code** 6C

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN2746

PHENYL CHLOROFORMATE UN proper shipping name

Transport hazard class(es) 6.1 Subsidiary class(es) **Packing group** 11 Marine pollutant Νo EmS No. F-A, S-B

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to

Annex II of MARPOL73/78 and

the IBC Code

Not relevant

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex il

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registery (EPER)

Not listed

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

SDS EU Phenyl Chloroformate 6/7

Other regulations Young people under 18 years old are not allowed to work with this product according to EU

Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies

with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

List of abbreviations

Follow national regulation for work with chemical agents. No Chemical Safety Assessment has been carried out.

Chemical safety assessment

Section 16: Other information

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic vPvB: Very Persistent and very Bioaccumulative.

References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R22 Harmful if swallowed. R26 Very toxic by inhalation.

R34 Causes burns.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H330 - Fatal if inhaled.

Training information

Follow training instructions when handling this material.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This

information should be used to make an independent determination of the methods to safeguard

workers and the environment.

Issue date Revision date Print date

21-February-2012 21-February-2012 21-February-2012

SDS EU Phenyl Chloroformate 7/7

SAFETY DATA SHEET



Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of the substance

Phenyl Chloroformate

Identification number

1885-14-9

Registration number

-

Synonyms

None.

Date of first issue

21-February-2012

Version number

01

Revision date

-

Supersedes date

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Industrial chemical.

Uses advised against

None known.

Details of the supplier of the safety data sheet

Supplier

Company name

VanDeMark Chemical Inc.

Address

1 North Transit Road, Lockport, NY 14094, USA

Telephone

+1 716-433-6764

Contact person

Not available.

Emergency telephone

+1-703-527-3887, International

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification

T+;R26, C;R34, Xn;R22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral

Category 4

Harmful if swallowed.

Acute toxicity, inhalation

Category 2

Fatal if inhaled

Skin corrosion/irritation

Category 1

Causes severe skin burns and eye

damage.

Hazard summary

Physical hazards

Not classified for physical hazards.

Health hazards

Harmful if swallowed. Very toxic by inhalation. Causes burns.

Environmental hazards

Not classified for hazards to the environment.

Specific hazards

Corrosive. Prolonged contact causes serious eye and tissue damage. Inhalation of vapour or mist

may cause lung oedema. Ingestion: May have a corrosive effect on the digestive canal.

Main symptoms

Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:

Phenyl chloroformate

Identification number

1885-14-9



Signal word

Danger

Phenyl Chloroformate SDS EU

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Hazard statements Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage.

Precautionary statements

Prevention Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face

protection. Do not eat, drink or smoke when using this product.

Response IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Immediately call a POISON CENTRE or doctor/physician.

Storage Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

Other hazards None known.

Section 3: Composition/information on ingredients

Substance

General information

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. Notes

Phenyl chloroformate 99 - 100 1885-14-9

217-547-8

Classification: DSD: T+;R26, C;R34, Xn;R22

CLP: Acute Tox. 4;H302, Skin Corr. 1;H314, Acute Tox. 2;H330

DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008.

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in

percent by volume. The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere

to affected area. Call an ambulance. Continue flushing during transport to hospital.

Description of first aid measures

Inhalation Immediately remove from further exposure. Get immediate medical assistance. For those

providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a

mechanical device.

Skin contact Immediately remove contaminated clothing. Wash off immediately with plenty of water for at least

15 minutes. Get medical attention immediately. Chemical burns must be treated by a physician.

Eye contact Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and

open eyelids wide apart. Get medical attention immediately. Continue to rinse.

Immediately rinse mouth and drink plenty of water. Keep victim under observation. Do not induce vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed

Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours

after exposure.

Section 5: Firefighting measures

General fire hazards The product is combustible, and heating may generate vapours which may form explosive

vapour/air mixtures.

Extinguishing media

Ingestion

Suitable extinguishing

media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing

media

Water.

Special hazards arising from the substance or mixture

The product reacts with water and will generate heat. Produce toxic and/or corrosive substances on contact with water. By heating and fire, toxic vapours/gases may be formed. Vapours may form explosive mixtures with air.

Phenyl Chloroformate

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Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire

precautions indicated in the workplace.

Special firefighting

procedures

Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use standard firefighting

procedures and consider the hazards of other involved materials.

Do not discharge into drains, water courses or onto the ground.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Evacuate area. Eliminate all sources of ignition. Keep upwind. Avoid inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wear suitable protective clothing. For personal

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

Environmental precautions

Methods and material for

containment and cleaning up Reference to other sections

Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.

See Section 8 for personal protective equipment. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

All handling to take place in well-ventilated area. Use explosion-proof ventilation equipment. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Provide adequate ventilation. Keep away from heat, sparks and open flame. Keep container

tightly closed. Store away from incompatible materials.

Specific end use(s) Industrial chemical.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow standard monitoring procedures.

DNEL Not available. **PNEC** Not available

Exposure controls

Appropriate engineering

controls

Should be handled in closed systems, if possible. Provide adequate ventilation. Local ventilation

should be provided. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

General information

Personal protective equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment.

Eye/face protection

Skin protection

Wear tight-fitting goggles or face shield.

- Hand protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. In full contact: Glove material: Viton, Layer thickness: 0,7 mm Breakthrough time: >

480 min. Suitable gloves can be recommended by the glove supplier.

- Other Respiratory protection Wear appropriate clothing to prevent repeated or prolonged skin contact.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

Wear suitable respiratory protection. Use respiratory equipment with gas filter, type A2.

equipment to remove contaminants.

Environmental exposure

controis

Contain spills and prevent releases and observe national regulations on emissions.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Clear liquid. Physical state Liquid. Form Liquid.

Phenyl Chloroformate SDS EU 3/7

Colour

Clear.

Odour

Pungent.

Odour threshold

Not available.

Not applicable.

Melting point/freezing

point

-38 °C (-36,4 °F)

Boiling point, initial boiling

point, and boiling range

75 °C (167 °F) (13 mmHg)

Flash point **Auto-ignition temperature** 77 °C (170,6 °F) Not applicable. Not applicable.

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Flammability (solid, gas)

Not available.

Oxidising properties Explosive properties

Explosive limit Vapour pressure

Vapour density

Not available Not available Not available. < 1 mm Hg (20 °C) Not available. Not available.

Evaporation rate Relative density Relative density

Not available. 1,248 (20 °C)

temperature

Solubility (water) Partition coefficient Reacts with water. Not available.

(n-octanol/water)

Decomposition

Not available.

temperature

Not available.

Viscosity Percent volatile

Not available.

Other data

Molecular formula

C7H5CIO2

Other information

No relevant additional information available.

Section 10: Stability and reactivity

Reactivity

Material reacts with water.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

reactions

Decomposes in the presence of water. Decomposes on heating.

Conditions to avoid

Heat, flames and sparks. Moisture.

Incompatible materials Hazardous decomposition

products

Strong oxidising agents. Water. Acids. Amines. Alcohols. Carbon oxides, Hydrogen chloride, Phenol.

Section 11: Toxicological information

General information

Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion

May cause burns in mucous membranes, throat, oesophagus and stomach.

Inhalation

Can cause severe respiratory irritation. Inhalation of vapour or mist may cause lung oedema. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after

exposure.

Skin contact

Causes skin burns.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Symptoms

Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and

tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Shortness of breath.

Information on toxicological effects

Phenyl Chloroformate

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Acute toxicity

Fatal if inhaled. Harmful if swallowed.

Product

Test results

Phenyl chloroformate (1885-14-9)

Acute Dermal LD50 Rabbit: 3970 ul/kg

Acute Oral LD50 Rat: 1410 ul/kg

Skin corrosion/irritation

Causes skin burns.

Serious eye damage/eye

Causes serious eye damage.

irritation

Respiratory sensitisation

No data available.

Skin sensitisation Germ cell mutagenicity No data available No data available. No data available.

Carcinogenicity Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure No data available.

Specific target organ toxicity - repeated

No data available.

exposure

Aspiration hazard Mixture versus substance No data available. Not available.

information

Other information

Not available.

Section 12: Ecological information

Toxicity

Product

Test results

Phenyl chloroformate (1885-14-9)

LC50 Leuciscus idus: 10 - 22 mg/l 96 hours

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility

No data available. Not available.

Environmental fate -

Partition coefficient

Mobility in soil Results of PBT and No data available.

vPvB assessment

No data available.

Other adverse effects

Harmful to aquatic life.

Section 13: Disposal considerations

Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the

ground.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is

emptied.

EU waste code

16 03 05*

Waste codes should be assigned by the user based on the application for which the product was

used.

Section 14: Transport information

ADR

UN number

UN2746

UN proper shipping name Transport hazard class(es) PHENYL CHLOROFORMATE

Subsidiary class(es) Packing group **Environmental hazards**

8 П Nο

D/E **Tunnel restriction code** Labels required

6.1 +8

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Phenyl Chloroformate

SDS EU 5/7

RID

UN number UN2746

UN proper shipping name PHENYL CHLOROFORMATE

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
Labels required 6.1+8

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number UN2746

UN proper shipping name Phenyl Chloroformate

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
Labels required 6.1+8

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number UN2746

UN proper shipping name Phenyl chloroformate

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
ERG Code 6C

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN2746

UN proper shipping name PHENYL CHLOROFORMATE

Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Marine pollutant No
EmS No. F-A, S-B

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to

Annex II of MARPOL73/78 and

Not relevant.

the IBC Code

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registery (EPER)

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

Not listed.

Phenyl Chloroformate SDS EU

6/7

Other regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies

with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents.

Chemical safety assessment

nent No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15 R22 Harmful if swallowed. R26 Very toxic by inhalation.

R34 Causes burns.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H330 - Fatal if inhaled.

Training information

Follow training instructions when handling this material.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This

information should be used to make an independent determination of the methods to safeguard

workers and the environment.

Issue date

21-February-2012

Revision date

21-February-2012

Print date

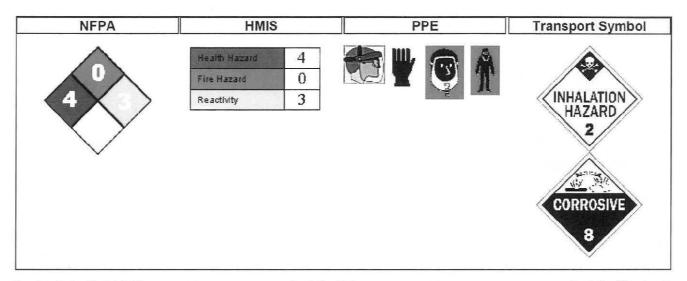
21-February-2012

Phenyl Chloroformate SDS EU

7/7



Material Safety Data Sheet



Issuing Date 25-Jul-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

PHOSGENE

UN-No

UN1076

Synonyms

CARBONYL CHLORIDE

Recommended Use

Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc. 1 North Transit Road Lockport, NY 14094 TEL: 716-433-6763

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

POISON

Very toxic by inhalation

Corrosive

The product causes burns of eyes, skin and mucous membranes

Liquid can cause burns similar to frostbite.

Contents under pressure

Appearance Clear

Physical State Compressed liquefied gas

Odor Grass

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes Skin Causes burns. Corrosive to the eyes and may cause severe damage including blindness.

Causes burns. Contact with product may cause frostbite.

Inhalation

Poison - may be fatal if inhaled. Corrosive to respiratory system. May cause pulmonary edema.

Please see Section 11. Toxicological Information for further information.

Ingestion

Not an expected route of exposure. This product is a gas at normal temperature and pressure.

Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

Prolonged or repeated exposure increases the risk.

Main Symptoms

See Section 11 for additional Toxicological Information.

Aggravated Medical Conditions

Respiratory disorders.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Chemical Family Phosgene.

hemical Family Carbonic acid chloride.

Formula

COCI2

Chemical Name	CAS-No	Weight %
Phosgene	75-44-5	100

4. FIRST AID MEASURES

General Advice

Immediate medical attention is required. Move victim to a safe isolated area. Call 911 or emergency medical service. Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Call a physician immediately.

Skin Contact Immediate medical attention is required. Wash off immediately with soap and plenty of water

removing all contaminated clothes and shoes. Consult a physician.

Immediate medical attention is required. Move to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give

oxygen.

Ingestion Not an expected route of exposure. Remove from exposure, lie down. Immediate medical

attention is required. Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious

person. Do not induce vomiting.

Notes to Physician Overexposure to phosgene can lead to pulmonary edema. Effects of contact or inhalation may

be delayed. Keep victim under observation. Treat symptomatically. Consult with the ACC Phosgene panel web site for the current version of the phosgene 1st aid and treatment options.

The web site is www.phosgenepanel.org.

Protection of First-aiders Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket

mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Flash Point Not flammable

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding

environment

Hazardous Combustion Products Carbon oxides, Chlorine gas.

Explosion Data

NFPA

Inhalation

Sensitivity to mechanical impact None Sensitivity to static discharge

None

Specific Hazards Arising from the Chemical

The product causes burns of eyes, skin and mucous membranes. In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire, cool tanks with water spray.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit. Damaged cylinders should be handled only by specialists.

Health Hazard 4 Flammability 0 Stability 3 **Physical and Chemical** Hazards -

HMIS Health Hazard 4 Flammability 0 Stability 3 Personal Precautions K

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Do not

touch or walk through spilled material. Use personal protective equipment. If you have not donned special protective clothing approved for this material, do not expose yourself to any risk of this material touching you. DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST, Look out! Corrosive material. Contents under pressure. A

vapor suppressing foam may be used to reduce vapors.

Methods for Containment Prevent further leakage or spillage if safe to do so. Isolate area until gas has dispersed. A

vapor suppressing foam may be used to reduce vapors.

Methods for Cleaning Up

Use personal protective equipment. Minimize the amount spilled and supress resultant vapors.

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Do NOT use water or wet materials for cleaning up.

from container. Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Handle product only in closed system or provide

appropriate exhaust ventilation at machinery. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Remove contaminated

clothing and shoes. Contents under pressure. Do not puncture or incinerate.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled

containers. Keep out of the reach of children. Keep at temperatures below 55 °C / 130 °F. Cylinders should be stored upright with valve protection cap in place and firmly secured to

prevent falling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosgene	TWA: 0.1 ppm	(vacated) TWA: 0.1 ppm	IDLH: 2 ppm
		(vacated) TWA: 0.4 mg/m ³	Ceiling: 0.2 ppm
		TWA: 0.4 mg/m ³	Ceiling: 0.8 mg/m ³
		TWA: 0.1 ppm	TWA: 0.1 ppm
			TWA: 0.4 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Face-shield.

Skin and Body Protection Respiratory Protection

Impervious clothing. Impervious gloves. Boots. Chemical resistant apron. Wear a positive-pressure supplied-air respirator with full facepiece.

Hygiene Measures Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not

be allowed out of the workplace. Remove and wash contaminated clothing before re-use.

Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear. Odor Grass.

Odor Threshold 0.4 - 1.5 Physical State Compressed liquefied gas.

ppm (EPA IRIS 2006).

pH Not applicable

Flash Point Not flammable Autoignition Temperature Not applicable

Decomposition Temperature °C 250 °C

Boiling Point/Range 8.2°C / 46.8°F Melting Point/Range -128°C / -198°F

Flammability Limits in Air Not flammable Explosion Limits Not applicable

Specific Gravity 1.388@20C Molecular Weight 98.9

Water Solubility Hydrolyzes. Solubility No information available.

Evaporation Rate No information available. **Vapor Pressure** 23.44 psia @ 20°C

Vapor Density 3.4 (air=1) VOC Content 100

EPA VOC (g/l) 100% Viscosity .403cps

Partition Coefficient (n-

octanol/water)

-.71

10. STABILITY AND REACTIVITY

Stability Stable up to approximately 200°C.

Incompatible Products Water. Acids. Alcohols. Amines. Metals.

Conditions to Avoid Extremes of temperature and direct sunlight. Exposure to water. Decomposes slowly on

exposure to water.

Hazardous Decomposition Products Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon

monoxide (CO). Chlorine gas.

Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Very toxic by inhalation. May be fatal if inhaled.

Irritation Causes severe irritation and or burns.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation

Chemical Name LD50 Oral		LD50 Dermal	LC50 Inhalation
Phosgene			0.084 mg/L (Rat) 30 min

Chronic Toxicity

Chronic Toxicity

Prolonged or repeated exposure increases the risk.

Target Organ Effects

Lungs, Respiratory system.

Other Adverse Effects

Inhalation of vapor can cause pulmonary edema. Concentrations as low as 0.2 ppm has been

shown to cause pulmonary edema in laboratory animals.

Human occupational exposures to high concentrations have caused severe irritation of the respiratory tract including choking, coughing, bloody sputum, and painful breathing and may cause pulmonary edema and pneumonia leading to death from circulatory and respiratory failure.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available.

Persistence and Degradability

Reacts with water to form hydrochloric acid.

Bioaccumulation/ Accumulation

Does not bioaccumulate.

Mobility

While phosgene adsorbs strongly to relatively dry soil, it is likely to rapidly volatilize and hydrolyze when released on moist solis. Very persistent in the atmosphere. Estimated troposphere half-life is about 14 days.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Should not be released into the environment. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of contents/container in accordance with local regulation.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Phosgene - 75-44-5	waste number P095	Included in waste stream:	·	- " -
_		K116		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Phosgene - 75-44-5		waste number P095		

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Phosgene	Ignitable; Reactive

WPS-VDM-003 - PHOSGENE Revision Date

14. TRANSPORT INFORMATION

<u>DOT</u>

Proper Shipping Name Phosgene
Hazard Class 2.3
Subsidiary Class 8
UN-No UN1076

Reportable Quantity (RQ) Phosgene, RQ kg = 4.54

Description Phosgene(Phosgene),2.3,(8),UN1076,RQ

<u>TDG</u>

Proper Shipping Name Phosgene
Hazard Class 2.3
Subsidiary Class 8
UN-No UN1076

Description PHOSGENE,2.3,UN1076

MEX

Proper Shipping Name Fosgeno Hazard Class 2.3 Subsidiary Class 8 UN-No UN1076

Description UN1076 Fosgeno,2.3,

ICAO Forbidden

<u>IATA</u> Forbidden

IMDG/IMO

Proper Shipping Name
Hazard Class
Subsidiary Class
UN-No
UN1076
EmS No.
Phosgene
2.3
8
UN1076
UN1076
F-C, S-U

Description UN1076, Phosgene, 2.3(8)

RID

Proper Shipping Name Phosgene
Hazard Class 2
UN-No UN1076
Classification Code 2TC

Description UN1076 Phosgene, 2, RID

ADR/RID-Labels 2.3 + 8 + 13

<u>ADR</u>

Proper Shipping Name Phosgene
Hazard Class 2
UN-No UN1076
Classification Code 2TC
ADR/RID-Labels 2.3 + 8

<u>ADN</u>

Proper Shipping Name Phosgene Hazard Class 2
Classification Code 2TC

WPS-VDM-003 - PHOSGENE Revision Date

14. TRANSPORT INFORMATION

Description Hazard Labels UN1076 Phosgene,2,

Hazard Labels
Limited Quantity
Ventilation

2.3 + 8 LQ0 VE02

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

i	Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
	Phosgene	75-44-5	100	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosgene	10 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Phosgene	10 lb	10 lb

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

WPS-VDM-003 - PHOSGENE Revision Date

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phosgene	X	Х	X	X	X

International Regulations

Mexico - Grade

Severe risk, Grade 4

Chemical Name	Carcinogen Status	Exposure Limits
Phosgene		Mexico: TWA= 0.1 ppm
		Mexico: TWA= 0.4 mg/m ³

Canada

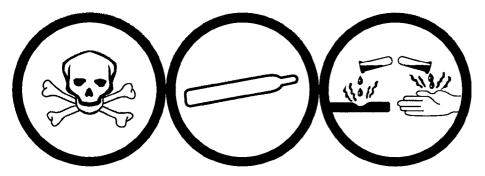
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials

A Compressed gases

E Corrosive material



Chemical Name	NPRI
Phosgene	X

Legend

NPRI - National Pollutant Release Inventory

	16.	OTHER	INFORMATION
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Issuing Date

25-Jul-2007

Revision Date

Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

MATERIAL SAFETY DATA SHEET

DATE: 03/16/07	DOC. : SE-0017-00	REV: A

1. CHEMICAL PRODUCT IDENTIFICATION

Product name Propargyl Chloroformate

Manufactured by ISOCHEM Inc.

One North Transit Rd. Lockport, NY 14094

USA

Phone: 716-433-6764 Fax: 716-433-2850

Chemtrec: 800-424-9300

2. COMPOSITION-INFORMATION ON INGREDIENTS

Chemical Name : CAS Number : Percentage:

Propargyl Chloroformate 35718-08-2 100%

3. HAZARD IDENTIFICATION

NOT TSCA LISTED NON-ISOLATED INTERMEDIATE OR FOR R&D PURPOSES ONLY.

HARMFUL BY INGESTION

MAY CAUSE ADVERSE EFFECTS ON HEALTH BY CHRONIC EXPOSURE HARMFUL FOR AQUATIC ENVIRONMENT

POISON INHALATION HAZARD, HAZARD ZONE B
Health: 4 Flammability: 3 Reactivity: 2

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, perform rescue

breathing. If breathing labored, provide oxygen by trained

personnel. Seek immediate medical attention.

Skin contact: Rinse off the material and wash with copious amounts of

soap and water. If irritation develops, seek medical

attention.

Eye contact: Wash with copious amounts of water for at least 15

minutes and seek medical attention.

Ingestion: Do not induce vomiting. If conscious, drink large

quantities of water. Antacids may be administered. Seek

medical treatment.

Title: Propargyl Chloroformate MSDS		
SOP: SE-0017-00	Revision A	Page 2 of 6

HAZARDS INDENTIFICATION

Acute effects: Eye - Corrosive, contact causes burns to the eyes.

Skin - Corrosive, contact causes burns to the skin Ingestion - If ingested, corrosive, may cause permanent

damage to mouth, throat, and stomach.

Inhalation - May be fatal if inhaled due to pulmonary edema. Inhalation of even small amounts may cause severe irritation, coughing, choking, and respiratory

distress.

Chronic effects: To the best of our knowledge the chronic health effects

have not been investigated.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water reactive. Use dry chemical or polymer foam

Hazardous thermal decomposition and combustion product:

Toxic and corrosive fumes generated by combustion or decomposition with water. Decomposes with water to

form hydrochloric acid and propargyl alcohol

Protective equipment: Refer to section 8.

Fire fighting instructions: Use NIOSH/MSHA approved self container breathing

apparatus (SCBA's) to prevent exposure to hazardous decomposition products. Use fire fighting techniques suitable for the surrounding environment. Contact with water will generate toxic and corrosive fumes. Intact drums exposed to fire conditions should be kept cool with

water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear respirator and protective clothing (see sec. 8).

Keep unnecessary people away. Avoid possible sources of ignition. Use non-sparking tools and proper bonding /

grounding techniques.

Environmental precautions: Avoid spilling to sewers and or water. Toxic effects not

investigated. May be toxic to fish, bacteria, and other

aquatic organisms

Cleaning procedures: Evacuate the area and remove potential ignition sources.

Caution, flammable, avoid sparking tools for cleanup. Contain spill. Absorb with absorbent media and collect in a corrosion resistant drum for disposal. After through cleanup, flush the area with water or soap & water and collect with an explosion proof wet-vac for disposal.

Title: Propargyl Chloroformate MSDS			Τ
COD: CE 0017.00	Boyleion A	Dogo 2 of 6	_

. HANDLING AND STORAGE	.
Handling :	Use with adequate ventilation to prevent inhalation exposure. Avoid splashing and contact. Safety shower and eye wash should be present in the handling area. Use proper bonding and grounding procedures.
Storage :	Must be kept refrigerated. Store in a cool, dry location away from direct sunlight or other sources of heat. Avoid contamination with moisture. Store in tightly closed and properly marked containers.
Storage Temperature:	< 0°C recommended.
Shelf Life:	6 months @ < 0°C
Special Sensitivity:	Avoid contamination with moisture.
OSHA Hazard Information	
Carcinogen:	Not listed
Target Organ Effects:	Lungs / Eye / Cutaneous
Other Hazards:	None
Corrosive:	Yes
Highly Toxic:	Yes
Irritant:	Yes
Sensitizer:	Yes
Toxic:	Yes
B. EXPOSURE CONTROLS AI	ND PERSONAL PROTECTION
Respiratory protection :	A NIOSH/MSHA approved full facepiece respirat with organic vapor/acid gas cartridge or canister.
Hand protection :	Chemical resistant gloves and clothing required when liquid contact possible.
Eye protection:	Safety glasses with side shields. When liquid contact hazard exists, full face protection require
Skin protection:	For small spills or leaks, as specified in 8.1 - 8.3. For large spills and leaks Level A protection should be utilized. This includes vapor tight full body protection utilizing an SCBA or airline respirator.
Special protective measures :	Use mechanical ventilation to prevent exposure to employees
Work hygienic practices:	Wash well after handling.

ISOCHEM Inc. Standard Operating Procedure

Title: Propargyl Chloroformate MSDS		
SOP: SE-0017-00	Revision A	Page 4 of 6

9. PHYSICAL AND CHEMICAL PROPERTIES

Description: Clear, slightly yellow to brown in color.

pH: NA

Odor: Strongly acrid and irritating

Boiling point: ~ 55°C @ 100mmHg

Auto-ignition: Has not been determined

Explosive limits: Has not been determined

Vapor pressure: Has not been determined

Specific gravity: Varies with concentration.

Solubility: Decomposes in water.

10. STABILITY AND REACTIVITY

Conditions to avoid: Reacts with water to form corrosive hydrogen

chloride and toxic propargyl alcohol.

Materials to avoid: Water, bases, alcohols, amines.

Hazardous decomposition

products:

Hydrogen chloride, propargyl alcohol, propargyl

chloride.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not available

Eye contact: Not available

Sensitization: Not available

Other information: None available

Title: Propargyl Chloroformate MSDS
SOP: SE-0017-00 | Revision A | Page 5 of 6

12. ECOLOGICAL INFORMATION

Persistence and degradability:

Hydrolysis to hydrogen chloride and propargyl alcohol

Ecotoxicity:

None available

13. DISPOSAL CONSIDERATIONS

Methods of disposal :

Incineration is the disposal method of choice for propargyl

chloroformate.

14. TRANSPORTATION INFORMATION

Shipping Name:

Chloroformates, toxic, corrosive, flammable, n.o.s.

Technical Name:

Propargyl Chloroformate

Hazard Class:

6.1,8,3

UN/NA Number:

UN2742

Packing Group:

- []

Label(s):

Toxic (6), flammable(3), corrosive(8)

Placard(s):

Toxic

Markings:

NA

Hazardous Substance:

No

RQ:

No

Poison / Inhalation

Yes

hazard:

Marine Pollutant:

No

Packaging

173.202 (non bulk)

Requirements:

Exemption Number:

Na

Bill of Lading Description:

CHLOROFORMATES, TOXIC, CORROSIVE,

FLAMMABLE, N.O.S. (PROPARGYL

CHLOROFORMATE), 6.1, (8), (3), UN 2742, PG II, POISON INHALATION HAZARD, HAZARD ZONE B.

ERG GUIDE 155.

ISOCHEM Inc. Standard Operating Procedure

Title: Propargyl Chloroformate MSDS			
SOP: SE-0017-00	Revision A	Page 6 of 6	

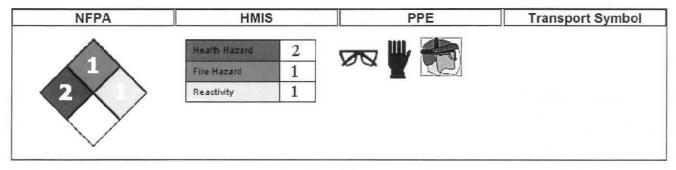
INFORMATION	
Not listed	
Not listed	
Not listed	
Not listed.	
MATION	
C ₄ H ₃ ClO ₂	
Not listed	
Chemical synthesis	
	Not listed Not listed Not listed Not listed Not listed. MATION C ₄ H ₃ ClO ₂ Not listed

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

Furthermore, nothing contained here in shall be construed as recommendation to use any product in conflict with existing patents covering any material or its use.



Material Safety Data Sheet



Issuing Date 26-Jul-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Propargyl N-Butylcarbamate

Synonyms

PNBC, Butylcarbamic acid, propynyl ester

Recommended Use

Chemical intermediate.

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport NY 14094

Lockport, NY 14094 TEL: 716-433-6764

Emergency Telephone Number

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

May be harmful if swallowed

May cause skin, eye, and respiratory tract irritation

Avoid contact with acids and bases

Contact may result in the formation of propargyl alcohol, a highly toxic substance

Appearance Clear, amber colored

Physical State Liquid

Odor Sweet, Organic

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Skin contact, Eye contact, Ingestion.

Acute Toxicity

Eyes Skin Contact with eyes may cause irritation.

May cause irritation.

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting

and diarrhea.

Chronic Effects

Avoid repeated exposure.

Aggravated Medical Conditions

Skin disorders. Preexisting eye disorders.

Environmental Hazard

See Section 12 for additional Ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Chemical Family Propargyl N-Butylcarbamate. Carbamic acid derivative.

Formula

C8H13NO2

Chemical Name	CAS-No	Weight %
Carbamic acid, butyl-, 2-propynyl ester	76114-73-3	100

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult

a physican.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Inhalation Move to fresh air. Remove from exposure, lie down. If symptoms persist, call a physician.

Ingestion Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water. Never

give anything by mouth to an unconscious person. Do not induce vomiting.

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Combustible material.

Flash Point

122°C / 252°F

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO₂). Water. Foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Hazardous Combustion Products

Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx), Hydrogen cyanide, Propargyl

alcohol.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None None

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of toxic and corrosive gases/vapors. Cool drums with water spray.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health Hazard 2

Flammability 1

Stability 1

Physical and Chemical

Hazards -

HMIS

Health Hazard 2

Flammability 1

Stability 1

Personal Precautions G

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes

and clothing. Evacuate personnel to safe areas.

Methods for Containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later

disposal.

Methods for Cleaning Up

Use personal protective equipment. Take precautionary measures against static discharges. Cover liquid spill with sand, earth or other noncombustible absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. Prevent product and washings from entering drains, sewers or surface water due to high toxicity to aquatic

organisms.

Other Information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition.

Storage

Store at room temperature. Keep away from direct sunlight, Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Shelf life 6 months. Store in polyethylene or polyethylene-lined steel drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

Showers Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection **Skin and Body Protection Respiratory Protection**

Safety glasses with side-shields. Face-shield.

Wear protective gloves/clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and

clothing. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear, amber colored.

Odor

Sweet. Organic.

Odor Threshold

No information available.

Physical State

Liquid.

pН

Not applicable

Flash Point

122°C / 252°F

Autoignition Temperature

Not applicable

Decomposition Temperature

156°C Q = 20.6 joules/gram; 250°C Q = 451 joules/gram

; Boiling Point/Range

90°C / 194°F (@ 1mmHg)

Melting Point/Range

-30°C / -22°F

Flammability Limits in Air

No information available.

Explosion Limits

No information available.

Specific Gravity

0.99

Water Solubility

Insoluble in water.

Solubility

No information available.

Evaporation Rate

No information available.

Vapor Pressure

<0.1 mmHg @ 20°C

Vapor Density

No information available.

VOC Content

Not applicable.

Partition Coefficient (noctanol/water) No information available.

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Incompatible Products

Acids. Bases. Strong oxidizing agents. Strong reducing agents. Contact with acids or bases

may result in the formation of propargyl alcohol, a highly toxic substance.

Conditions to Avoid

Excessive heat. Exposure to air or moisture over prolonged periods.

Hazardous Decomposition Products

Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NOx). Hydrogen cyanide.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Product is harmful by ingestion.

Irritation

May cause irritation.

LD50 Oral VALUE (mg/kg)

>500 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity

Avoid repeated exposure.

Target Organ Effects

Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. May decompose in the environment to propargyl alcohol, which is considered toxic to aquatic organisms and may cause long-term adverse effects in the environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Carbamic acid, butyl-, 2-		85 ppm		60 ppm (48-hr)
propynyl ester		(96-br Rainbow trout)		

Persistence and Degradability

No data is available on the product itself. May decompose to form propargyl alcohol.

Bioaccumulation/ Accumulation

Not likely to bioaccumulate.

Mobility

May decompose to form propargyl alcohol

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

<u>MEX</u>

Not regulated

ICAO

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

RID

Not regulated

ADR

Not regulated

<u>ADN</u>

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1B Toxic materials



16. OTHER INFORMATION

Issuing Date

26-Jul-2007

Revision Date

Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS



SAFETY DATA SHEET

Issuing Date 10-Jul-2007

Revision Date 01-Mar-2011

Revision Number 2

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name

p-Toluenesulfonyl Isocyanate

Synonyms

PTSI, Tosyl isocyanate, 4-methyl benzenesulfonyl isocyanate

Pure substance/preparation

Substance

Formula

C8H7NO3S

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Water scavenger

Uses advised against

No information available

1.3. Details of the supplier of the safety data sheet

Company

VanDeMark Chemical Inc. 1 North Transit Road

Lockport, NY 14094, USA Telephone: 716-433-6764

For further information, please contact

E-mail Address

sales@vdmchemical.com

No information available.

1.4. Emergency telephone number

Emergency Telephone

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

Europe	112	
Denmark	Poison Control Hotline (DK): +45 82 12 12 12	
France	ORFILA (FR): + 01 45 42 59 59	
Germany	Poison Center Berlin (DE): +49 030 30686 790	
Italy	Poison Center, Milan (IT): +39 02 6610 1029	
Switzerland	Poison Center: Tel 145; +41 44 251 51 51	

Section 2. Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Respiratory Sensitization	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s)

Xn - Harmful

R-code(s)

R14 Xi;R36/37/38 R42

2.2. Label Elements

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Signal Word

Danger

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eve irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

EUH014 - Reacts violently with water

EUH204 - Contains isocyanates. May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician

P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P370 + P378 - In case of fire: Use carbon dioxide for extinction

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Nature of the Preparation Isocyanate compound.

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Benzenesulfonyl isocyanate, 4-methyl-	223-810-8	4083-64-1	98	R14 Xi; R36/37/38 R42	(EUH014) Skin Irrit. 2 (H315) STOT SE 3 (H335) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334)	No data available
Tosyl Chloride	202-684-8	98-59-9	1.1	C;R34 R29	Skin Corr. 1B (H314) (EUH029)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16
For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

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Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. If skin irritation persists, call a physician.

Ingestion Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person.

Do not induce vomiting without medical advice. Consult a physician.

Inhalation Move to fresh air in case of accidental inhalation of vapors. Artificial respiration and/or oxygen

may be necessary. Avoid direct contact with skin. Use barrier to give mouth-to-mouth

resuscitation. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or

inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with

a one-way valve or other proper respiratory medical device.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Causes sensitization Use of epinephrine may be indicated Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical.

Extinguishing media which must not be used for safety reasons

Water.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases Reacts vigorously and/or explosively with water. Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

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Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

DO NOT GET WATER on spilled substance or inside containers Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Prevent contact with water. Do NOT use water for clean-up

Neutralize with the following product(s):

Mixture of 15% t-butyl alcohol, 65% mineral/paraffin oil, and 20% butyl acetate.

100 grams of solution reacts with 42 grams of product. Product is neutralized slowly as it reacts with the t-butyl alcohol. CO2 will be liberated slowly. Do not seal containers.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Reacts violently with water.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store at ambient conditions.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1		Sens (as NCO) 0.02 mg/m³ TWA (as NCO) 0.07 mg/m³ STEL			
Tosyl Chloride 98-59-9		STEL: 5 mg/m ³			

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Chemical Name	İtaly	Portugal	The Netherlands	Finland	Denmark
Benzenesulfonyl isocyanate,				0.035 mg/m³ STEL (as	
4-methyl-				NCO)	
4083-64-1					

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1		Sens (as NCO) 0.02 mg/m³ MAK (as NCO) 0.02 mg/m³ STEL 15 min (as NCO)			Sens (as NCO) 0.07 mg/m³ STEL (as NCO) 0.02 mg/m³ TWA (as NCO)
Tosyl Chloride 98-59-9					STEL: 5 mg/m ³

Legend:

TWA = time weighted average STEL = Short term exposure limit Skin = S* = Skin designation Sens = Sensitizer Ceil = Ceiling Limit Value NCO = Expressed as Isocyanates

Derived No Effect Level Predicted No Effect Concentration (PNEC) No information available No information available.

8.2. Exposure controls
Engineering Measures

Personal protective equipment

Eye Protection

Skin and Body Protection Hand Protection

Respiratory Protection

Showers, eyewash stations, and ventilation systems.

Tightly fitting safety goggles. Face-shield.

Lightweight protective clothing. Apron. Long sleeved clothing.

Impervious gloves. Nitrile rubber.

In case of insufficient ventilation wear suitable respiratory equipment. Wear a positive-pressure

supplied-air respirator

Environmental Exposure Controls

Prevent product from entering drains. Local authorities should be advised if significant spillages

cannot be contained.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State

Liquid

Appearance

Clear

Odor

Acrid

WPS-VDM-001 - p-Toluenesulfonyl isocyanate

Property	Values	Remarks/ Method
pН	Not applicable	None known
Melting Point/Range	-2°C / 28°F	None known
Boiling Point/Boiling Range	144°C / 291°F (10 mmHg)	None known
Flash Point	145°C / 293°F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	1.29 @ 20C	None known
Water Solubility	Reacts with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water		None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	No information available	
Oxidizing Properties	No information available	
9.2. Other information VOC Content (%)	No information available	

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions. Reacts violently with water. Stable up to 170°C.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

Reacts violently with water.

10.4. Conditions to avoid

Exposure to water. Exposure to air or moisture. Excessive heat.

Incompatible materials

Water Alcohols Amines Acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Exposure to moisture: p-Toluene sulfonamide. Carbon dioxide (CO₂).

May emit toxic fumes under fire conditions. Carbon monoxide (CO). Nitrogen oxides (NOx). Hydrogen cyanide. Sulfur oxides.

Section 11. Toxicological information

<u>11.1.</u>

Acute Toxicity

Product Information

Inhalation

There is no data available for this product. Causes serious eye irritation.

Eye Contact Skin Contact Ingestion

Causes skin irritation.

LD50 Oral:

2600 mg/kg (rat)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzenesulfonyl isocyanate, 4-	= 2234 mg/kg (Rat)		>640 ppm (Rat) 1 h
methyl-			

Irritation

Irritating to eyes, respiratory system and skin

Eye, rabbit: Severe eye irritant.

Sensitization
Mutagenic Effects

Isocyanates are known to be strong sensitizers. May cause sensitization by inhalation.

Mutagenic Effects
Carcinogenic Effects

No information available. No information available.

Reproductive Toxicity
Developmental Toxicity
STOT - single exposure
STOT - repeated exposure

No information available. No information available. Respiratory system. No information available.

Target Organ Effects

Central nervous system (CNS). Eyes. Liver. Respiratory system. Skin.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Reacts with water so no ecotoxicity data for the substance is available

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms Daphnia Magna (Water Flea
Benzenesulfonyl isocyanate,	EC50: 23 mg/L Selenastrum	LC50: 435 mg/L Oryzias	EC50: 150 mg/L Daphnia
4-methyl-	capricornutum 72 h (p-	latipes 96 h (p-Toluene	magna 72 h (p-Toluene
l	Toluene sulfonamide 70-55-3)	sulfonamide 70-55-3)	sulfonamide 70-55-3)

12.2. Persistence and degradability

No product level data available Reacts with water to form p-Toluene sulfonamide which is not readily biodegradable

12.3. Bioaccumulative potential.

Product does not bioaccumulate due to reaction with water

12.4. Mobility in soil

Reacts with water and forms p-Toluene sulfonamide The product evaporates slowly. Estimated half-life in the atmosphere is 13 days

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products

Waste is classified as hazardous. Dispose of in accordance with local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

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Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-NumberNot regulated.14.2. Proper Shipping NameNot regulated.14.3. Hazard ClassNot regulated.14.4. Packing GroupNot regulated.DescriptionNot applicable.

14.5.

Marine Pollutant None. 14.6. Special Provisions None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

RID

 14.1. UN-Number
 Not regulated.

 14.2. Proper Shipping Name
 Not regulated.

 14.3. Hazard Class
 Not regulated.

 14.4. Packing Group
 Not regulated.

 Description
 Not applicable.

14.5. Environmental hazard None. 14.6. Special Provisions None.

ADR

 14.1. UN-Number
 Not regulated.

 14.2. Proper Shipping Name
 Not regulated.

 14.3. Hazard Class
 Not regulated.

 14.4. Packing Group
 Not regulated.

 Description
 Not applicable.

14.5. Environmental hazard None. 14.6. Special Provisions None.

ICAO

 14.1. UN-Number
 Not regulated.

 14.2. Proper shipping name
 Not regulated.

 14.3. Hazard Class
 Not regulated.

 14.4. Packing Group
 Not regulated.

 Description
 Not applicable.

 14.5. Environmental hazard
 None.

14.6. Special Provisions None.

IATA

14.6. Special Provisions

 14.1. UN-Number
 Not regulated.

 14.2. Proper Shipping Name
 Not regulated.

 14.3. Hazard Class
 Not regulated.

 14.4. Packing Group
 Not regulated.

 Description
 Not applicable.

 14.5. Environmental hazard
 None.

None.

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Take note of Dir 94/33/EC on the protection of young people at work. Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous work.

International Inventories

TSCA Complies **EINECS/ELINCS** Complies DSL/NDSL Complies Complies PICCS **ENCS** Complies **IECSC** Complies **AICS** Complies **KECL** Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3

R14 - Reacts violently with water

R29 - Contact with water liberates toxic gas

R34 - Causes burns

R42 - May cause sensitization by inhalation

R36/37/38 - Irritating to eyes, respiratory system and skin

Full text of H-Statements referred to under sections 2 and 3

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

EUH014 - Reacts violently with water

EUH029 - Contact with water liberates toxic gas

EUH204 - Contains isocyanates. May produce an allergic reaction

Key literature references and sources for data

www.ChemADVISOR.com/

Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Issuing Date

10-Jul-2007

Revision Date

01-Mar-2011

Revision Note

Change to composition, (M)SDS sections updated, 3, 8, 11, 12, 16.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet

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VanDeMark

Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 13-Mar-2008

Revision Date 04-Nov-2010

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Saltidin

Product Code(s)

100729

Recommended Use

Insect Repellant active ingredient

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094

Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone

Number

CHEMTREC: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

HARMFUL IF SWALLOWED

Appearance Colorless to brown

Physical State Liquid.

Odor No information available

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes Skin Avoid contact with eyes. Moderately irritating to the eyes

Inhalation

Avoid contact with skin and clothing.

Ingestion

Avoid breathing vapors or mists. May be harmful if inhaled.

Harmful if swallowed.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical

Conditions

None known.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Saltidin	119515-38-7	60-100

4. FIRST AID MEASURES

Eye Contact Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing,

remove any contact lenses and continue flushing for at least 15 minutes.

Skin Contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower. If symptoms persist, call a physician.

Inhalation Move to fresh air. If breathing has stopped, contact emergency medical services immediately.

If breathing is irregular or stopped, administer artificial respiration. Seek immediate medical

attention/advice.

Ingestion Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards

drink plenty of water. Do not induce vomiting without medical advice. Never give anything by

mouth to an unconscious person.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Not flammable.

Flash Point

288°F / 142°C

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding

environment.

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

NFPA Health Hazard 1

Flammability 1

Instability 0

Physical and Chemical

Hazards -

HMIS

Health Hazard 1

Flammability 1

Physical Hazard 0

Personal Protection -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes

and clothing.

Environmental Precautions

Refer to protective measures listed in Sections 7 and 8.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for

disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-

use. Do not eat, drink or smoke when using this product.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Measures Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

Wear protective gloves/clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceColorless to brown.OdorNo information available

Odor Threshold No information available. Physical State Liquid

pH Not applicable

Flash Point 288°F / 142°C Autoignition Temperature No information available.

Decomposition Temperature No information available.

Boiling Point/Range 273°C / 523°F

Melting Point/Range <-170°C / <-274°F

Flammability Limits in Air No information available. Explosion Limits No information available.

Specific Gravity 1.037 Water Solubility 8.6 g/l

SolubilitySoluble in water.Evaporation RateNo information availableVapor Pressure0.0003 mmHg @20 °CVapor DensityNo data available

0.0003 mmHg @25 °C Vapor bensity No data available

0.0071 mmHg @50 °C

VOC Content (%)

0.6

Viscosity

129 cps

Partition Coefficient: n- 2.11

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products Strong oxidizing agents. Strong acids. Chlorinated compounds.

Conditions to Avoid Heat, flames and sparks.

Hazardous Decomposition

Products

octanol/water

None under normal use. Carbon oxides. Nitrogen oxides (NOx).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral: LD50 Dermal: 2236 mg/kg (rat) > 2000 mg/kg (rabbit)

LC50 Inhalation:

4.364mg/L (rat) (aerosol)

Chronic Toxicity

Carcinogenicity

There are no known carcinogenic chemicals in this product. The EPA has has concluded that

Icaridin is not likely to be a human carcinogen

Developmental Toxicity

Effects in offspring were only observed at or above dosage levels which resulted in maternal

toxicity

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

MEX

Not regulated

<u>ICAO</u>

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

RID

Not regulated

ADR

Not regulated

ADN

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous
	Quantities			Substances
Toluene	1000 lb	X	Х	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Toluene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
			RQ 0.454 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental_

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Toluene	X	X		X	Х
sec-Butyl alcohol	X	×	X		X

International Regulations

Mexico - Grade

Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
sec-Butyl alcohol		Mexico: TWA= 100 ppm
		Mexico: TWA= 305 mg/m ³
		Mexico: STEL= 150 ppm
		Mexico: STEL= 455 mg/m ³

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm
		Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



Chemical Name	NPRI
sec-Butyl alcohol	X
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship

23 British American Blvd. Latham, NY 12110

1-800-572-6501 13-Mar-2008

Issuing Date Revision Date Revision Note

Date 04-Nov-2010 Name change.

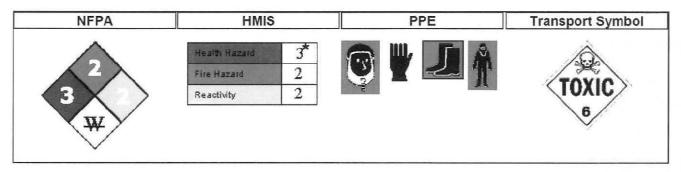
General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet



Material Safety Data Sheet



Issuing Date 06-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

sec-Butyl chloroformate

UN-No

UN2742

Synonyms

Carbono chloridic acid, 1-methylpropyl ester

Recommended Use

Pesticide Intermediate.

Supplier Address

VanDeMark Chemical, Inc. 1 North Transit Road Lockport, NY 14094 Telephone: 716-433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number

Chemtrec: 1-800-424-9300 for US/703-527-3887 outside US

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

POISON

Very toxic by inhalation May be fatal if inhaled Corrosive

The product causes burns of eyes, skin and mucous membranes

Harmful if swallowed

May be harmful if absorbed through skin May cause drowsiness and dizziness Moisture sensitive

FLAMMABLE LIQUID AND VAPOR

Appearance Clear

Physical State Liquid

Odor Pungent, Irritating

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Acute Toxicity

Eyes Corrosive to the eyes and may cause severe damage including blindness. Risk of serious

damage to eyes.

Skin Harmful in contact with skin. Causes burns. May be absorbed through the skin in harmful

amounts.

Inhalation Poison - may be fatal if inhaled. Contact with moist mucous membranes of the respiratory

system can cause caustic condition resulting in burns. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood

pressure, and increased heart rate.

Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May

cause drowsiness and dizziness. May cause central nervous system depression. May cause

additional affects as listed under "Inhalation".

Chronic Effects Prolonged exposure may cause chronic effects. Possible risks of irreversible effects. May

cause adverse liver effects. May cause adverse kidney effects.

Aggravated Medical Conditions

Respiratory disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
sec-Butyl chloroformate	17462-58-7	>98.5
Phosgene	75-44-5	<0.1

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected

area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Call a physician immediately.

Inhalation Call a physician or Poison Control Center immediately. Move to fresh air. If breathing is

difficult, give oxygen. If not breathing, give artificial respiration. Avoid direct contact with skin.

Use barrier to give mouth-to-mouth resuscitation.

Ingestion Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards

drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce

vomiting. Remove from exposure, lie down.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim

under observation.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flammable.

Flash Point

27°C / 80.6°F

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry powder. Dry chemical.

Unsuitable Extinguishing Media

Water.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None Yes.

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes. Avoid contact with iron.

Protective Equipment and Precautions for Firefighters

In the event of fire, wear self contained breathing apparatus. Corrosive hazard. Wear

protective gloves/clothing and eye/face protection.

NFPA

Health Hazard 3

Flammability 2

Stability 2

Physical and Chemical

Hazards W

<u>HMIS</u>

Health Hazard 3*

Flammability 2

Stability 2

Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid contact with iron. Keep people away from and upwind of spill/leak.

Methods for Containment

Dike far ahead of liquid spill for later disposal. Dike for later disposal; do not apply water unless directed to do so. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Dam up. Neutralise with soda ash (sodium carbonate) or lime over area of spill. Cover liquid spill with sand, earth or other noncombustible absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Do not direct water at spill or source of leak. Prevent product and washings from entering drains, sewers or surface water due to high toxicity to aquatic organisms.

Other Information

Refer to protective measures listed in Sections 7 and 8. Use fine water spray to reduce vapors; do not put water directly on point of material release from container.

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear personal protective equipment. Prevent breathing of mist or vapors. Prevent contact with skin, eyes and clothing. Always wear a self-contained breathing apparatus or full-face airline respirator when using this chemical.

Page 3/9

Storage

Keep at temperatures below -1 °C / 30 °F. Avoid any contact with iron. All equipment and storage vessels must be constructed of Teflon and glass-lined steel. Shelf life 6 months. Protect from sunlight and store in well-ventilated place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosgene	TWA: 0.1 ppm	TWA: 0.1 ppm	IDLH: 2 ppm
		TWA: 0.4 mg/m ³	Ceiling: 0.2 ppm
		(vacated) TWA: 0.1 ppm	Ceiling: 0.8 mg/m ³
]		(vacated) TWA: 0.4 mg/m ³	TWA: 0.1 ppm
			TWA: 0.4 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Clear

Engineering Measures

Showers, eyewash stations, and ventilation systems.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Impervious butyl rubber gloves. Solvent-resistant apron and boots. Wear a positive-pressure supplied-air respirator with full facepiece.

Hygiene Measures

Appearance

Prevent contact with skin eyes and clothing. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. For environmental protection remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

Pungent, Irritating

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor

Odor Threshold No information available **Physical State** Liquid рΗ No information available Flash Point 27°C / 80.6°F 455°C / 851°F **Autoignition Temperature Decomposition Temperature** No information available **Boiling Point/Range** 122°C / 252°F Melting Point/Range No information available Flammability Limits in Air No information available **Explosion Limits** No information available

Specific Gravity 1.049 @20 °C Water Solubility Decomposes slowly on exposure

to water

Solubility No information available Evaporation Rate No information available

Vapor Pressure 20 mmHg @ 36 °C Vapor Density No data available

VOC Content Not applicable

10. STABILITY AND REACTIVITY

Stable up to approximately -1.1°C. Reacts with water. Unstable if heated.

Incompatible Products Incompatible with strong acids and bases. Incompatible with oxidizing agents. Water. Metal

salts. Alcohols. Amines. Nitrates, Iron.

Conditions to Avoid Exposure to air or moisture over prolonged periods. Protect from water. Iron.

Hazardous Decomposition Products Keep refrigerated. Thermal decomposition can lead to release of irritating gases and vapors.

Chlorine gas. Phosgene. Hydrogen chloride. Carbon monoxide (CO). Carbon dioxide (CO2).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral VALUE (mg/kg) 1000-1780 mg/kg (rat)

LD50 Dermal VALUE >2000 mg/kg LC50 Inhalation (VAPOR) VALUE 0.44- 2.33mg/L (4-hr)

Chronic Toxicity

Chronic Toxicity Prolonged exposure may cause chronic effects. Possible risks of irreversible effects. May

cause adverse liver effects. May cause adverse kidney effects.

Target Organ Effects Respiratory system, Central nervous system (CNS), Liver, Kidney, Eyes, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability Reacts with water to form hydrochloric acid.

Bioaccumulation/ Accumulation Product does not bioaccumulate due to reaction with water.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D001 D002

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class Subsidiary Class 6.1 8, 3

UN-No **Packing Group** UN2742

Description Chloroformates, toxic, corrosive, flammable, n.o.s.(sec-Butyl alcohol, Phosgene),6.1,(8,

3),UN2742,PG I

TDG

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class Subsidiary Class 6.1 8, 3

UN-No

UN2742

Packing Group Description

CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S., 6.1, UN2742, PG I

MEX

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class Subsidiary Class 6.1 3,8

UN-No

UN2742

Packing Group Description

UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.(sec-Butyl alcohol, Phosgene),6.1,1

ICAO

UN-No

UN2742

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class Subsidiary Class 6.1 3, 8

Packing Group Description

IATA

UN-No

UN2742

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class Subsidiary Class Packing Group

ERG Code

6CF

Description

UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG I

Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8),UN2742,PG I

IMDG/IMO

Proper Shipping Name

Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class Subsidiary Class UN-No

6.1 3, 8, + UN2742

Packing Group

ı

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14. TRANSPORT INFORMATION

EmS No. F-E, S-C

Description UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8, +),PG I

RID

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1
UN-No UN2742
Packing Group I
Classification Code TFC

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,I,RID

ADR/RID-Labels 6.1 + 3 + 8

<u>ADR</u>

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1
UN-No UN2742
Packing Group I
Classification Code TFC

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,I

ADR/RID-Labels 8, 3

<u>ADN</u>

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.

Hazard Class 6.1
Packing Group |
Classification Code TFC
Special Provisions 274, 561, 802

Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,I

 Hazard Labels
 6.1 + 3 + 8

 Limited Quantity
 LQ17

 Ventilation
 VE01, VE02

15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL/NDSL Complies **EINECS/ELINCS** Complies Complies **ENCS IECSC** Does not Comply **KECL** Does not Comply **PICCS** Complies **AICS** Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosgene	10 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Phosgene	10 lb	10 lb

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phosgene	X	Х	X	Х	Х
sec-Butyl alcohol	Х	X	X		X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
Phosgene		Mexico: TWA= 0.1 ppm
		Mexico: TWA= 0.4 mg/m ³
sec-Butyl alcohol		Mexico: TWA= 100 ppm
·		Mexico: TWA= 305 mg/m ³
		Mexico: STEL= 150 ppm
		Mexico: STEL= 455 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials

E Corrosive material

B2 Flammable liquid



Chemical Name	NPRI
Phosgene	X
sec-Butyl alcohol	X

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Issuing Date

06-Mar-2008

Revision Date

Revision Note

No information available

<u>Disclaimer</u>

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

VanDeMark

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name

TETRABROMO BISPHENOL-A POLYCARBONATE

Version #

Issue date

07-16-2012

Revision date

Supersedes date

CAS#

Proprietary

Product use

Industrial chemical.

Manufacturer/Supplier

VanDeMark Chemical Inc.

1 North Transit Road, Lockport, NY 14094, USA

Telephone

+1 716-433-6764

Emergency

Emergency telephone +1-800-424-9300, North America

2. Hazards Identification

Physical state

Solid.

Appearance

Solid.

OSHA regulatory status

This product is not hazardous according to OSHA 29CFR 1910.1200.

Potential health effects

Eves

Dust in the eyes will cause irritation.

Skin

Dust may irritate skin.

Inhalation

Dust may irritate respiratory system or lungs.

Ingestion

May cause discomfort if swallowed.

Target organs

Eyes. Respiratory system.

Potential environmental effects

The product is not expected to be hazardous to the environment.

3. Composition / Information on Ingredients

Components	CAS#	Percent	
TETRABROMO BISPHENOL-A POLYCARBONATE	Proprietary	100	

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical

assistance

Skin contact

Rinse with water. Get medical attention promptly if symptoms persist or occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

Inhalation

In case of inhalation of dusts or fumes from heated product: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.

Notes to physician

Treat symptomatically.

General advice

First aid personnel must be aware of own risk during rescue.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing

Extinguish with foam, carbon dioxide, dry powder or water fog.

media

TETRABROMO BISPHENOL-A POLYCARBONATE

907109 Version #: 01 Revision date: - Issue date: 07-16-2012

CPH MSDS NA

Unsuitable extinguishing media

None.

Protection of firefighters

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Fire fighting equipment/instructions

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions

Avoid inhalation of dust. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods for cleaning up

Collect and dispose of spillage as indicated in Section 13 of the MSDS.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Avoid inhalation of dust. Avoid prolonged and repeated contact. Use work methods which

minimize dust production. Wear appropriate personal protective equipment.

Storage

ACGIH

Store in closed original container in a dry place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

TETRABROMO			
BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable particles.
Tophetary)		10 mg/m3	Inhalable particles.
U.S OSHA			_
Material	Туре	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Canada - Alberta			
Material	Туре	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable particles.
,		10 mg/m3	Total particulate.
Canada - British Columbia			
Material	Туре	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable fraction.
, ,,		10 mg/m3	Total dust.
Canada - Ontario			
Material	Туре	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS	TWA	3 mg/m3	Respirable particles.
Proprietary)		10 mg/m3	Inhalable particulate.

TETRABROMO BISPHENOL-A POLYCARBONATE

CPH MSDS NA

907109 Version #: 01 Revision date: - Issue date: 07-16-2012

Canada - Quebec

Material Form Type Value **TETRABROMO** TWA Total dust. 10 mg/m3

BISPHENOL-A

POLYCARBONATE (CAS

Proprietary)

Exposure guidelines No exposure limits noted for ingredient(s). Above occupational exposure limits are values for

general particles.

Engineering controls Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of

inhalation of dust.

Personal protective equipment

Eye / face protection Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses

and face shield are recommended.

Skin protection For prolonged or repeated skin contact use suitable protective gloves. When material is heated,

wear gloves to protect against thermal burns.

Respiratory protection Wear respirator if there is dust formation. Use a NIOSH/MSHA approved respirator if there is a

risk of exposure to dust/fume at levels exceeding the exposure limits. When the product is heated,

use suitable respiratory equipment with gas filter for organic gas.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance Solid. Physical state Solid. Solid. **Form** Color Off-white. Odor Odorless. Not available. Odor threshold Not applicable. pН Vapor pressure Not applicable. Vapor density Not available. **Boiling point** Not applicable.

Melting point/Freezing point Not available. Solubility (water) Insoluble in water.

1.35 Specific gravity

Flash point Not available. Flammability limits in air, Not available.

upper, % by volume

Flammability limits in air,

lower, % by volume

Not available.

Not available. Auto-ignition temperature

10. Chemical Stability & Reactivity Information

Chemical stability Stable under normal temperature conditions.

Conditions to avoid Excessive heat. Incompatible materials No data available.

Hazardous decomposition

products

During combustion: Carbon monoxide. Carbon dioxide. Hydrogen bromide. Chlorine compounds.

Possibility of hazardous Will not occur.

reactions

11. Toxicological Information

Toxicological data

Product Species Test Results

TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)

Acute

Oral

LD50

Rat

> 5000 mg/kg

Sensitization

None known.

Acute effects

May cause discomfort if swallowed.

Local effects

Dusts may irritate the respiratory tract, skin and eyes.

Carcinogenicity

None known.
None known.

Mutagenicity
Reproductive effects

None known.

Teratogenicity

None known.

None known.

None known.

12. Ecological Information

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

....

Persistence and degradability

Bioaccumulation /

Accumulation

Mobility in environmental

media

The product is insoluble in water and will sediment in water systems.

13. Disposal Considerations

Disposal instructions

Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is

emptied.

14. Transport Information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

TETRABROMO BISPHENOL-A POLYCARBONATE

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)

Section 311/312 (40 CFR

No

370)

Drug Enforcement

Canadian regulations

Not controlled

Administration (DEA) (21 CFR

1308.11-15)

This product has been classified in accordance with hazard criteria of the Controlled Products

Regulations and the MSDS contains all the information required by the Controlled Products

Regulations.

WHMIS status Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

This safety data sheet was prepared in accordance with the Official Mexican Standard

(NOM-018-STPS-2000).

16. Other Information

Mexico regulations

Further information HMIS® is a registered trade and service mark of the NPCA. B - Safety Glasses, Gloves

HMIS® ratings Flammability: 1

Physical hazard: 0 Personal protection: B

NFPA ratings Health: 0

Flammability: 1 Instability: 0

Health: 0

Disclaimer This information is provided without warranty. The information is believed to be correct. This

information should be used to make an independent determination of the methods to safeguard

workers and the environment.

TETRABROMO BISPHENOL-A POLYCARBONATE

CPH MSDS NA

907109 Version #: 01 Revision date: - Issue date: 07-16-2012

VanDeMark

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name

Tetrabromobishydroxyphenylfluorene polycarbonate

Version #

01

Issue date

06-11-2012

Revision date

Supersedes date

CAS#

Proprietary

Product use

Industrial chemical.

Manufacturer/Supplier

VanDeMark Chemical Inc.

1 North Transit Road, Lockport, NY 14094, USA

Telephone

+1 716-433-6764

Emergency

Emergency telephone +1-800-424-9300, North America

2. Hazards Identification

Physical state

Solid.

Appearance

Solid.

OSHA regulatory status

This product is not hazardous according to OSHA 29CFR 1910.1200.

Potential health effects

Eyes

Dust in the eyes will cause irritation.

Skin

Dust may irritate skin.

Inhalation

Dust may irritate respiratory system or lungs.

Ingestion

May cause discomfort if swallowed.

Target organs

Eyes. Respiratory system.

Potential environmental effects

The product contains a substance which is very toxic to aquatic organisms and which may cause

long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS#	Percent
Tetrabromobishydroxyphenylfluorene polycarbonate	Proprietary	100

4. First Aid Measures

First aid procedures

Eye contact

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical

assistance.

Skin contact

Rinse with water. Get medical attention promptly if symptoms persist or occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible

with water, and see a physician for removal of adhering material and treatment of burn.

Inhalation

In case of inhalation of dusts or fumes from heated product: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.

Notes to physician

Treat symptomatically.

General advice

First aid personnel must be aware of own risk during rescue.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing

media

Tetrabromobishydroxyphenylfluorene polycarbonate

CPH MSDS NA

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VDM00530

Protection of firefighters

Specific hazards arising from the chemical

Dust may form explosive mixture with air. During fire, gases hazardous to health may be formed.

Fire fighting

equipment/instructions

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in

the workplace.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions

Avoid inhalation of dust. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods for cleaning up

Collect and dispose of spillage as indicated in Section 13 of the MSDS.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Avoid inhalation of dust. Avoid prolonged and repeated contact. Use work methods which

minimize dust production. Wear appropriate personal protective equipment.

Storage

Store in closed original container in a dry place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Additional components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Inhalable particles.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Additional components	Туре	Value	Form
Dust	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Additional components	Туре	Value	Form
Dust	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Additional components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Total particulate.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Additional components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Additional components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Inhalable

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)
Additional components
Type
Value
Form

Dust TWA 10 mg/m3 Total dust.

Exposure guidelines No exposure limits noted for ingredient(s). Above occupational exposure limits are values for

general particles.

Engineering controls

Observe occupational exposure limits and minimize the risk of inhalation of dust. Provide explosion-proof ventilation for high dust concentrations.

Personal protective equipment

Eye / face protection

Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses

and face shield are recommended.

Tetrabromobishydroxyphenylfluorene polycarbonate

CPH MSDS NA

908627 Version #: 01 Revision date: - Issue date: 06-11-2012

Skin protection For prolonged or repeated skin contact use suitable protective gloves. When material is heated,

wear gloves to protect against thermal burns.

Respiratory protection Wear respirator if there is dust formation. Use a NIOSH/MSHA approved respirator if there is a

risk of exposure to dust/fume at levels exceeding the exposure limits. When the product is heated,

use suitable respiratory equipment with gas filter for organic gas.

General hygiene Always observe good personal hygiene measures, such as washing after handling the material considerations

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance Solid. Physical state Solid. Solid. **Form**

Color Clear or opaque.

Odor Odorless. **Odor threshold** Not available. Not available. pН Not available. Vapor pressure Vapor density Not available. Not available. **Boiling point** Melting point/Freezing point Not available. Solubility (water) Insoluble in water

Specific gravity 1.82

Flash point Not available. Not available. Flammability limits in air,

upper, % by volume

Flammability limits in air,

lower, % by volume

Auto-ignition temperature

Other data

Decomposition temperature

Not available.

Not available.

761 °F (405 °C)

10. Chemical Stability & Reactivity Information

Chemical stability Stable under normal temperature conditions.

Conditions to avoid Avoid conditions which create dust.

Incompatible materials No data available.

Hazardous decomposition During combustion: Carbon monoxide. Carbon dioxide. Phenol. Hydrocarbons. Hydrogen

products bromide.

Possibility of hazardous Dust may form explosive mixture with air.

reactions

11. Toxicological Information

Toxicological data

Product Test Results Species Tetrabromobishydroxyphenylfluorene polycarbonate (CAS Proprietary)

Acute

Oral

LD50 Rat > 3980 mg/kg

Sensitization None known.

Acute effects May cause discomfort if swallowed.

Local effects Dusts may irritate the respiratory tract, skin and eyes.

Carcinogenicity None known. None known. Mutagenicity

CPH MSDS NA Tetrabromobishydroxyphenylfluorene polycarbonate

908627 Version #: 01 Revision date: - Issue date: 06-11-2012

Reproductive effects

None known.

Teratogenicity

None known.

12. Ecological Information

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms and which may cause

long-term adverse effects in the aquatic environment.

Persistence and degradability

Bioaccumulation / **Accumulation**

None known. None known.

Mobility in environmental

media

The product is insoluble in water and will sediment in water systems.

13. Disposal Considerations

Disposal instructions

Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Do not discharge into drains, water courses or onto the ground.

Waste from residues / unused

products

Dispose of in accordance with local regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

14. Transport Information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

> Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CRF 355, Appendix A)

No

Section 311/312 (40 CFR

No

370)

Drug Enforcement

Administration (DEA) (21 CFR

1308.11-15)

Not controlled

Canadian regulations

This product has been classified in accordance with hazard criteria of the Controlled Products

Regulations and the MSDS contains all the information required by the Controlled Products

Regulations.

WHMIS status

Non-controlled

Tetrabromobishydroxyphenylfluorene polycarbonate

CPH MSDS NA

908627 Version #: 01 Revision date: - Issue date: 06-11-2012

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No
*A "Yes" indicates this product co	emplies with the inventory requirements administered by the governing country(s)	

State regulations

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard

(NOM-018-STPS-2000).

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA. B - Safety Glasses, Gloves

HMIS® ratings

Health: 1

Flammability: 1
Physical hazard: 0
Personal protection: B

NFPA ratings

Health: 1 Flammability: 1

Instability: 0

Disclaimer

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workers and the environment.

Tetrabromobishydroxyphenylfluorene polycarbonate

CPH MSDS NA

908627 Version #: 01 Revision date: - Issue date: 06-11-2012

VanDeMark Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 30-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Vilsmeier Reagent, 95%

UN-Number

UN2923

Recommended Use

Chemical intermediate

Synonyms

N,N-Dimethylchloromethyliminium Chloride

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094

Telephone: 716 433-6764

Emergency Telephone

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White

Physical State Solid, Crystalline.

Odor Acrid, Ammoniacal

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Eye contact. Skin contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk

of serious damage to eyes.

Skin

Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact

with skin.

Inhalation

Harmful by inhalation. Corrosive to nose, throat and respiratory tract

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Formula

Vilsmeier Reagent. C3H7C12N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	95-99
Dimethylformamide	68-12-2	1-5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water.

Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim

under observation. Treat symptomatically.

to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce

corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas.

Containers may explode when heated.

Flash Point $200^{\circ}\text{F} / > 93^{\circ}\text{C}$

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Move containers from fire area if you can do

it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge

None None

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes.

Protective Equipment and Precautions for Firefighters

Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear

self-contained breathing apparatus and full protective gear.

NFPA

Health Hazard 3

Flammability 0

Instability 0

Physical and Chemical

Hazards W

HMIS

Health Hazard 3*

Flammability 0

Physical Hazard 0

Personal Protection G

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes

and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak.

Environmental Precautions Should not be released into the environment. Prevent product from entering drains. Do not

allow material to contaminate ground water system. Local authorities should be advised if

significant spillages cannot be contained.

Methods for Containment Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Prevent dust cloud.

Methods for Cleaning Up Prevent product from entering drains. Sweep up and shovel into suitable containers for

disposal. Avoid dust formation. Clean contaminated surface thoroughly. After cleaning, flush

away traces with water.

Other Information DO NOT GET WATER on spilled substance or inside containers Refer to protective measures

listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Handle product only in closed system or provide

appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when

using this product. Avoid dust formation. Reacts violently with water.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled

containers. Keep out of the reach of children. Store contents under nitrogen Keep away from

heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide	TWA: 10 ppm	TWA: 10 ppm	IDLH: 500 ppm
68-12-2	S*	TWA: 30 mg/m ³	TWA: 10 ppm
		(vacated) TWA: 10 ppm	TWA: 30 mg/m ³
		(vacated) TWA: 30 mg/m ³	
		(vacated) S*	

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Tightly fitting safety goggles. Face-shield. No special protective equipment required.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures

VOC Content (%)

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product.. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceWhite.OdorAcrid, Ammoniacal.Odor ThresholdNo information availablePhysical StateSolid CrystallinepHNot applicable

Flash Point 200°F / > 93°C Autoignition Temperature No information available.

Decomposition Temperature No information available.

Boiling Point/Boiling Range Not applicable

Melting Point/Range 139-141°C / 282-286°F
Flammability Limits in Air No information available. Explosion Limits No information available.

Specific Gravity 0.756 Water Solubility Reacts with water (Very

hygroscopic)

SolubilityChloroformEvaporation RateNo information availableVapor Pressure1 hPa @ 20°CVapor DensityNo data available

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to

moisture. Reacts violently with water.

Incompatible Products

Water. Alcohols. Amines. Bases.

Conditions to Avoid

Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamide,

Carbon oxides., Nitrogen oxides (NOx).

Hazardous Reactions

Reacts violently with water.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:

200-466 mg/kg (rat)

LD50 Dermal:

>2000 mg/kg (rat)

Inhalation

Harmful by inhalation.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye

damage.

Skin Contact

Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous

membranes. Causes severe skin burns.

Ingestion

Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity

Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization

No information available.

Mutagenic Effects

No information available.

Reproductive Toxicity

May cause harm to the unborn child.

Developmental Toxicity

May be a developmental hazard based on animal data.

Teratogenic

No information available.

Target Organ Effects

Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.

Neurological Effects

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L	LC50 96 h: = 10410 mg/L	EC50 = 2000 mg/L 5 min	EC50 48 h: 6800 - 13900
	(Desmodesmus subspicatus)	flow-through (Pimephales	EC50 = 570 mg/L 240 h	mg/L Static (Daphnia magna)
		promelas)	-	EC50 48 h: = 7500 mg/L
		LC50 96 h: = 6300 mg/L		(Daphnia magna)
		(Lepomis macrochirus)		EC50 48 h: = 8485 mg/L
		LC50 96 h: = 9800 mg/L flow-	·	semi-static (Daphnia magna)
		through (Oncorhynchus		
	1	mykiss)		l

Persistence and Degradability

No product level data available. For Dimethyl formamide. : BOD5=0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water. For Dimethyl formamide: BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002 D003

14. TRANSPORT INFORMATION

DOT

UN-Number UN2923

Proper shipping name Corrosive solids, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II

Description UN2923, Corrosive solids, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride),8,(6.1),PG

II 154

Emergency Response Guide

Number

TDG

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class (6.1)
Packing Group II

Description UN2923, CORROSIVE SOLID, TOXIC, N.O.S. (N,N-Dimethylchloromethyliminium Chloride

),8(6.1),PG II

MEX

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group ||

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

<u>ICAO</u>

UN-Number UN2923

Proper shipping name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II

Description UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

<u>IATA</u>

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group || ERG Code 8P

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

IMDG/IMO

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II
EmS No. F-A, S-B

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

RID

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

ADR/RID-Labels 8 + 6.1

ADR

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group | II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)

ADR/RID-Labels 8 + 6.1

ADN

UN-No UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2
Special Provisions 274, 802

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

Hazard Labels 8 + 6.1 Limited Quantity LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL Complies; All components are listed either on the DSL or NDSL.

EINECS Complies
ENCS Does not comply
IECSC Does not comply

KECL Does not comply
PICCS Does not comply
AICS Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	5-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard

Yes

Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	×	X	X	X	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials E Corrosive material



Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd. Latham, NY 12110

1-800-572-6501

Issuing Date Revision Date 30-Jul-2007 29-Jul-2011

Revision Note

Name change. Update to Format. (M)SDS sections updated. 1. 15. 16.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

VanDeMark

Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 30-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Vilsmeier Reagent, 95%

UN-Number

UN2923

Recommended Use

Chemical intermediate

Synonyms

N,N-Dimethylchloromethyliminium Chloride

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White

Physical State Solid, Crystalline.

Odor Acrid, Ammoniacal

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure

Eye contact. Skin contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk

of serious damage to eyes.

Skin

Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact

with skin.

Inhalation

Harmful by inhalation. Corrosive to nose, throat and respiratory tract

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Formula

Vilsmier Reagent. C3H7C12N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	95-99
Dimethylformamide	68-12-2	1-5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water.

Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim

under observation. Treat symptomatically.

to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce

corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas.

Containers may explode when heated.

Flash Point 200°F / > 93°C

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Move containers from fire area if you can do

it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None None

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes.

Protective Equipment and Precautions for Firefighters Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear

self-contained breathing apparatus and full protective gear.

NFPA

Health Hazard 3

Flammability 0

Instability 0

Physical and Chemical

Hazards W

HMIS

Health Hazard 3*

Flammability 0

Physical Hazard 0

Personal Protection G

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental Precautions

Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

Methods for Containment

Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Prevent dust cloud.

Methods for Cleaning Up

Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly. After cleaning, flush

away traces with water.

Other Information

DO NOT GET WATER on spilled substance or inside containers Refer to protective measures

listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Avoid dust formation. Reacts violently with water.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store contents under nitrogen Keep away from heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide	TWA: 10 ppm	TWA: 10 ppm	IDLH: 500 ppm
68-12-2	S*	TWA: 30 mg/m ³	TWA: 10 ppm
		(vacated) TWA: 10 ppm	TWA: 30 mg/m ³
		(vacated) TWA: 30 mg/m ³	
		(vacated) S*	

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Tightly fitting safety goggles. Face-shield. No special protective equipment required.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

VOC Content (%)

5%

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product.. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

White. **Appearance** Odor Acrid, Ammoniacal. No information available **Odor Threshold** Solid Crystalline **Physical State** рΗ Not applicable Flash Point 200°F / > 93°C **Autoignition Temperature** No information available. **Decomposition Temperature** No information available. **Boiling Point/Boiling Range** Not applicable Melting Point/Range 139-141°C / 282-286°F Flammability Limits in Air No information available. **Explosion Limits** No information available. 0.756 **Water Solubility** Reacts with water (Very Specific Gravity hygroscopic) Solubility No information available Chloroform **Evaporation Rate Vapor Pressure** 1 hPa @ 20°C No data available **Vapor Density**

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to

moisture. Reacts violently with water.

Incompatible Products

Water. Alcohols. Amines. Bases.

Conditions to Avoid

Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamide,

Carbon oxides., Nitrogen oxides (NOx).

Hazardous Reactions

Reacts violently with water.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:

200-466 mg/kg (rat)

LD50 Dermai:

>2000 mg/kg (rat)

Inhalation

Harmful by inhalation.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye

damage.

Skin Contact

Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous

membranes. Causes severe skin burns.

Ingestion

Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity

Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization

No information available.

Mutagenic Effects

No information available.

Reproductive Toxicity

May cause harm to the unborn child.

Developmental Toxicity

May be a developmental hazard based on animal data.

Teratogenic

No information available.

Target Organ Effects

Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system, Skin.

Neurological Effects

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h; > 500 mg/L	LC50 96 h: = 10410 mg/L	EC50 = 2000 mg/L 5 min	EC50 48 h: 6800 - 13900
-	(Desmodesmus subspicatus)	flow-through (Pimephales	EC50 = 570 mg/L 240 h	mg/L Static (Daphnia magna)
	T '	promelas)		EC50 48 h: = 7500 mg/L
		LC50 96 h: = 6300 mg/L		(Daphnia magna)
		(Lepomis macrochirus)		EC50 48 h: = 8485 mg/L
	!	LC50 96 h: = 9800 mg/L flow-		semi-static (Daphnia magna)
		through (Oncorhynchus		
		mykiss)		1

Persistence and Degradability

No product level data available. For Dimethyl formamide. : BOD5=0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water. For Dimethyl formamide: BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002 D003

14. TRANSPORT INFORMATION

DOT

UN-Number UN2923

Proper shipping name Corrosive solids, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II

Description UN2923, Corrosive solids, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8,(6.1),PG

II 154

Emergency Response Guide

Number

TDG

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class (6.1)
Packing Group II

Description UN2923, CORROSIVE SOLID, TOXIC, N.O.S. (N,N-Dimethylchloromethyliminium Chloride

),8(6.1),PG II

MEX

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group ||

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

<u>ICAO</u>

UN-Number UN2923

Proper shipping name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group ||

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

<u>IATA</u>

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II
ERG Code 8P

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

IMDG/IMO

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Subsidiary Class 6.1
Packing Group II
EmS No. F-A, S-B

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

RID

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

ADR/RID-Labels 8 + 6.1

ADR

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)

ADR/RID-Labels 8 + 6.1

ADN

UN-No UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2
Special Provisions 274, 802

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

Hazard Labels 8 + 6.1 Limited Quantity LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL Complies; All components are listed either on the DSL or NDSL.

EINECS Complies
ENCS Does not comply
IECSC Does not comply
KECL Does not comply

KECL Does not comply
PICCS Does not comply
AICS Does not comply
Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	5-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard

Page 8 / 9

Yes

Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	<u>Massachusetts</u>	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials E Corrosive material



Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship 23 British American Blvd. Latham, NY 12110

1-800-572-6501 30-Jul-2007

Issuing Date 30-Jul-2007 **Revision Date** 29-Jul-2011

Revision Note Name change. Update to Format. (M)SDS sections updated. 1. 15. 16.

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The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

VanDeMark Phosgene Chemistry • Custom Chemicals

Material Safety Data Sheet

Issuing Date 30-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Vilsmeier Reagent, 97%

UN-Number

UN2923

Recommended Use

Chemical intermediate

Synonyms

N,N-Dimethylchloromethyliminium Chloride

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094

Telephone: 716 433-6764

Emergency Telephone

CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

Number

1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White

Physical State Solid, Crystalline.

Odor Acrid, Ammoniacal

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Potential Health Effects

Principle Routes of Exposure

Eye contact, Skin contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk

of serious damage to eyes.

Skin

Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact

with skin.

Inhalation

Harmful by inhalation. Corrosive to nose, throat and respiratory tract

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

Page 1/10

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Formula

Vilsmeier Reagent. C3H7C12N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	97-99
Dimethylformamide	68-12-2	1-3

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water.

Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible

perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim

under observation. Treat symptomatically.

Protection of First-aiders

Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-

to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce

corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas.

Containers may explode when heated.

Flash Point 200°F / > 93°C

Suitable Extinguishing Media Carbon dioxide (CO2). Dry powder. Dry chemical. Move containers from fire area if you can do

it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge None

Specific Hazards Arising from the

Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not

breathe fumes.

Protective Equipment and Precautions for Firefighters

Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear

self-contained breathing apparatus and full protective gear.

NFPA Health Hazard 3

Flammability 0 Instability 0

Physical and Chemical

Hazards W

HMIS

Health Hazard 3*

Flammability 0

Physical Hazard 0

Personal Protection G

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes

and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak.

Environmental Precautions Should not be released into the environment. Prevent product from entering drains. Do not

allow material to contaminate ground water system. Local authorities should be advised if

significant spillages cannot be contained.

Methods for Containment Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Prevent dust cloud.

Methods for Cleaning Up Prevent product from entering drains. Sweep up and shovel into suitable containers for

disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Other Information DO NOT GET WATER on spilled substance or inside containers. Refer to protective measures

listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Handle product only in closed system or provide

appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when

using this product. Avoid dust formation. Reacts violently with water.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled

containers. Keep out of the reach of children. Store contents under nitrogen Keep away from

heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

^{*}Indicates a chronic health hazard.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide	TWA: 10 ppm	TWA: 10 ppm	IDLH: 500 ppm
68-12-2	S*	TWA: 30 mg/m ³	TWA: 10 ppm
		(vacated) TWA: 10 ppm	TWA: 30 mg/m ³
		(vacated) TWA: 30 mg/m ³	_
		(vacated) S*	

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection **Respiratory Protection**

Tightly fitting safety goggles. Face-shield. No special protective equipment required.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product.. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Odor Threshold Ηα

White. No information available

139-141°C / 282-286°F

No information available.

Not applicable

Flash Point 200°F / > 93°C **Decomposition Temperature** No information available.

Melting Point/Range

Flammability Limits in Air

Specific Gravity 0.756

Solubility Vapor Pressure **VOC Content (%)** Chloroform

1 hPa @ 20°C

Odor

Physical State

Autoignition Temperature

Boiling Point/Boiling Range

Explosion Limits

Water Solubility Reacts with water (Very

Evaporation Rate Vapor Density

hygroscopic) No information available No data available

Acrid, Ammoniacal.

No information available.

No information available.

Solid Crystalline

Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to

moisture. Reacts violently with water.

Incompatible Products

Water. Alcohols. Amines. Bases.

Conditions to Avoid

Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamid,

Carbon oxides., Nitrogen oxides (NOx).

Hazardous Reactions

Reacts violently with water.

Hazardous Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:

200-466 mg/kg (rat)

LD50 Dermal:

>2000 mg/kg (rat)

Inhalation

Harmful by inhalation.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye

damage.

Skin Contact

Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous

membranes. Causes severe skin burns.

Ingestion

Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity

Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization

No information available.

Mutagenic Effects

No information available.

Reproductive Toxicity

May cause harm to the unborn child.

Developmental Toxicity

May be a developmental hazard based on animal data.

Target Organ Effects

Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.

Neurological Effects

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available. Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L	LC50 96 h: = 10410 mg/L	EC50 = 2000 mg/L 5 min	EC50 48 h: 6800 - 13900
	(Desmodesmus subspicatus)	flow-through (Pimephales	EC50 = 570 mg/L 240 h	mg/L Static (Daphnia magna)
		promelas)		EC50 48 h: = 7500 mg/L
1		LC50 96 h: = 6300 mg/L		(Daphnia magna)
		(Lepomis macrochirus)		EC50 48 h: = 8485 mg/L
1		LC50 96 h: = 9800 mg/L flow-		semi-static (Daphnia magna)
		through (Oncorhynchus		
		mykiss)		

Persistence and Degradability

No product level data available For Dimethyl formamide. : BOD5=0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water. For Dimethyl formamide: BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002 D003

14. TRANSPORT INFORMATION

DOT

UN-Number

UN2923

Proper shipping name

Corrosive solids, toxic, n.o.s.

Hazard Class Subsidiary Class Packing Group

R 6.1

Description

UN2923, Corrosive solids, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8,(6.1),PG

Emergency Response Guide

Number

154

TDG

UN-Number

UN2923

Proper Shipping Name

Corrosive solid, toxic, n.o.s.

Hazard Class Subsidiary Class Packing Group

(6.1)11

Description

UN2923, CORROSIVE SOLID, TOXIC, N.O.S.(N,N-Dimethylchloromethyliminium Chloride

),8(6.1),PG II

MEX

UN-Number

UN2923

Proper Shipping Name

Corrosive solid, toxic, n.o.s.

Hazard Class Subsidiary Class Packing Group

6.1

Description

11 UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

ICAO

UN-Number

UN2923

Proper shipping name

Corrosive solid, toxic, n.o.s.

Hazard Class Subsidiary Class Packing Group

8 6.1

Description

UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

IATA

UN-Number

UN2923

Proper Shipping Name

Corrosive solid, toxic, n.o.s. 8

Hazard Class Subsidiary Class Packing Group ERG Code

6.1 11 8P

Description

UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

IMDG/IMO

UN-Number

Proper Shipping Name

Corrosive solid, toxic, n.o.s.

Page 7/10

Hazard Class 8
Subsidiary Class 6.1
Packing Group || EmS No. F-A, S-B

Description UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

RID

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

ADR/RID-Labels 8 + 6.1

ADR

UN-Number UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)

ADR/RID-Labels 8 + 6.

ADN

UN-No UN2923

Proper Shipping Name Corrosive solid, toxic, n.o.s.

Hazard Class 8
Packing Group II
Classification Code CT2
Special Provisions 274, 802

Description UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II

Hazard Labels 8 + 6.1 Limited Quantity LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL Complies; All components are listed either on the DSL or NDSL.

EINECS Complies
ENCS Does not comply
IECSC Does not comply
KECL Does not comply
PICCS Does not comply
AICS Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

	Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Γ	Dimethylformamide	68-12-2	3-7	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

<u>Clean Water Act</u>
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials E Corrosive material



Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship

23 British American Blvd. Latham, NY 12110

1-800-572-6501

Issuing Date

30-Jul-2007

Revision Date

29-Jul-2011

Revision Note

Name change. Update to Format. (M)SDS sections updated. 1. 15. 16.

General Disclaimer

The Information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Search for < choose a criterion > Search Show All Q, Simple Search

				Items per page 1
j E	Product Name	*	Manufacturer Name	Mfg Part #
1	(Acryloyloxy) Ethyl n-butyl Carbamate		VanDeMark Inc.	
j	1,1,3,3-Tetraethylurea		Alfa Aesar	
j	1,1-Ethylidene bis (3,4-dimethylbenzene)		TCI America	B1044
ì	1,2,4-trichlorobenzene		Sigma	296104-100
3	1,2-Dicarbobenzyloxyhydrazine		Sigma Sigma-Aldrich	S349003
j	1,2-Dichlorobenzene		Baker	9233-03
ĵ	1,4-Dichlorobenzene		Sigma-Aldrich	D5,682-9
	1,4-trans-cyclohexyldiamine		DuPont	
	1,4-trans-cyclohexyldiisocyanate		DuPont	BX1777-6
.)	1-butanol		EMD	125008
Ì	1-chlorobutane		Sigma-Aldrich	245623
Ì	1-chlorohexadecane		Sigma-Aldrich	
	1-Methyl-2-Pyrrolidinone		Sigma Aldrich Chemical Company Inc. / SAFC	270458
1	1-Methyllmidazole		Sigma Aldrich Chemical Company Inc. / SAFC	336092
Ì	1-Propanol		EMD	PX1824-1
ì	2 - Hydroxyethylacrylate		Aldrich	292818
j	2,4-Dichlorobenzyl Alcohol		Sigma Aldrich Chemical Company Inc.	146668
ì	2,4-Dichlorobenzyl chloride		Aldrich	1000
ì	2,4-Dichlorotoluene		Acros	163282500
>	20w non-detergent oil		Cam 2 EMD Chemicals	? BX1670AI
3	2-Butanone		DuPont	BATOTOAI
3	2-Carbomethoxybenzene sulfonamide		VanDeMark Inc.	
	2-Carbomethoxybenzenesulfonyl Isocyanate Solution in Xylene			C28898
ì	2-chloro-3-methylpropane		Sigma-Aldrich	C20050
j	2-DCSM Antioxidant		CSCS Corporation	292818
j	2-Hydroxyethyl acrylate		Sigma-Aldrich	292010
ĵ	2-Piperidineethanol		Aldrich	422504
ĵ	2-Piperidineethanol		Sigma Aldrich Chemical Company Inc. / SAFC	433594
ĵ	2-Propanol		EMD	PX1834-1
ĵ	30w non-detergent oil		Cam 2	?
ĵ	3-Sulfonylisocyanato-2-thiophenecarboxylate in Xylene		DuPont	INF-7641
ĵ	4-(4-Nitrobenzyl)pyridine		Sigma Aldrich Chemical Company Inc. / SAFC	N14204
)	4-(Trifluoromethoxy)aniline		Sigma Aldrich Chemical Company Inc.	337056
Ì	4-(Trifluoromethoxy)phenyl Isocyanate		VanDeMark Inc.	
Ð	4-(Trifluoromethoxy)-phenyl isocyanate		Sigma-Aldrich	348384
1	4-Bromoacetanilide		Sigma-Aldrich	161659-5g
Ì	4-Bromostyrene		Sigma Aldrich Chemical Company Inc. / SAFC	124141
7	4-Dimethylaminopyridine		Vertellus Specialities Inc	
)	4-methoxyphenol		Kodak	
ì	4-Methoxyphenol		Sigma-Aldrich	M18655
j	4-Methoxyphenyl chloroformate		Sigma-Aldrich	322393
ì	4-tert-Butylcatechol		Sigma Aldrich Chemical Company Inc. / SAFC	19671
)	4-Tert-Butylphenol		Sigma Aldrich Chemical Company Inc.	B99901
1	600w Super Cylinder Oil		Mobil	600w
)	64% Hydrazine Solution		Arch Chemicals Inc.	
1	67332		Dupont Company	
)	9,9-bis(3,5-dibromo-4-hydroxyphenyl)-fluorene		Paragon Chemical Technologies, Inc.	
ì	AA test mix (50 ug/ml)		VHG Labs	ZVAN502-250
j	AC146410000		Fisher	
 }	Acetic Acid		EMD	AX0073-9
.j Ti	Acetic Anhydride		Sigma Aldrich Chemical Company Inc. / SAFC	539996
j j	acetone		EMD	AX0120-3
ł	400.01.0			

)	acetonitrile	Sigma-Aldrich	270717
i	Acrylic Acid	Sigma Aldrich Chemical Company Inc. / SAFC	147230
j	Acryloyl Chloride	Sigma Aldrich Chemical Company Inc. / SAFC	A24109
	Addista Color Standards Adiponitrile	BYK Gardner DuPont Chemicals	SCR-9532
	Aliquat 336	Sigma Aldrich Fluka Chemical Canada Co.	205613
3	All Season Select Oil	Ingersol Rand	All Season Select
1	Allen-Air 76 Oil	Allen-Air	76 Oil
1	Allgrades	HARCROS	Allgrades
1	Ameron PSX 34 Adhesive Kit	Ameron	PSX 34 3 & 5 oz.
1	Amide Chloride	VanDeMark Inc.	
ĵ	Ammonium Chloride	EM Science	AX1277-1
ĵ	Ammonium Hydroxide	EMD	AX1303-3
ĵ	Ansulite 3X3 Low Viscosity (Alcohol Resistant Afff Concentrate).	Ansul Fire Protection U.S. Inc.	
3	Aquastar Combicoulomat	EMD	1092570500
j	Aquastar comp-2	EMD	AX1698BN-1
)	Aquastar Solvent	EMD	1880151000
5	Aquastar Titrant 2	EMD	1.88011.10
)	Aquastar Water Standard 0.01%	EMD .	1.88050.0010
ń	Aquastar Water Standard 0.1%	EMD	1.88051.0010
j	Avanel n 1525-90	VanDeMark Inc.	
3	Avanel n 925	VanDeMark Inc.	
Ì	Avanel N-374	VanDeMark Inc.	
)	Barium Chloride	Alpha Aesar	12310
	Barium Chloride ACS Grade 20% W/V.	Fisher Scientific	NC9655532
j	Barrier Fluid FDA 22	Royal Purple	10114
)	Belzona 1311	Belzona	1311
)	Benzaldehyde	Sigma-Aldrich	B 133-4
)	Benzamide	Sigma-Aldrich	135828
)	Benzoic Acid	Aldrich	
.ı }	Benzalc Acid	Fluka	12349
ı j	Benzyl Alcohol	Aldrich	
j	Benzyl Carbazate	VanDeMark Inc.	
ì	Benzyl Carbazate - 99%	VanDeMark Inc.	
	Benzyl Chloride	Sigma-Aldrich	18555-8
))	Benzyl Chloroformate	VanDeMark Inc.	
	Benzyl Chloroformate	Sigma Aldrich Chemical Company Inc. / SAFC	119938
) A	Benzyl Ether	Sigma-Aldrich	108014
5	Benzyl Tributyl Ammonium Chloride	Aldrich Sigma Aldrich Chemical Company Inc. / SAFC	228982
") .e	Benzyltrimethylammonium Chloride (228982)	Sigma-Aldrich	B0394
j	Boric Acid BP Diesel Fuel, No. 2	BP America	DUUJT
)	Bromcresol Green		B-0381
)		Sigma	114391
	Bromophenol Blue	Sigma-Aldrich	
ĵ	Buffer Solution pH 1.68	Ricca	1492-16
ĵ	Buffer Solution pH 10	Ricca	1601-16
)	Buffer Solution pH 12.45	Ricca	1618-16
		_	

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		Items per page 1
Product Name	▲ Manufacturer Name	Mfg Part#
Buffer Solution pH 2.0	Ricca	1493-16
Buffer Solution pH 4	Ricca	1501-16
Buffer Solution pH 7	Ricca	1551-16
Buffer Solution, Sulfate Type	Hach	452-49
Butyl Isocyanate	Sigma-Aldrich	B95736
butylamine	Sigma-Aldrich	47130-5
Butylated Hydroxy Toluene	Aldrich	
Butyronitrile	Sigma Aldrich Chemical Company Inc. / SAFC	45992
Calcium Carbonate	Sigma Aldrich Chemical Company Inc. / SAFC	202932
Calcium Chloride Solutions 20 To 38% (All Grades)	Harcros Chemical	
Carbaester	VanDeMark Inc.	
Carbon Monoxide	Praxair	P-4576-J
Carbon Tetrachloride	Sigma-Aldrich	270652
Chemline 784/32 - Part A (Resin)	Advanced Polymer Coatings	784
ChemLine 784/32 - Part B (Catalyst)	Advanced Polymer Coatings	Catalyst 32 (Part B)
Chlorine in Nitrogen	Matheson TriGas	
Chloroform	Aldrich	270636
Chloroform	EMD	CX1059-1
	VanDeMark Chemical Inc.	
Chloroformiate de Phényle (Phenyl Chloroformate) Chromium	VHG Labs	ARCH-100
CIP 100 Alkaline Process and Research Cleaner	Steris Scientific	1D10
CIP 200 Acid Process and Research Cleaner	Steris Scientific	1D20
Corrodine 930	The Metro Group, Inc.	•
Cresol Red	Sigma-Aldrich	C9877
Crystal Violet	Sigma-Aldrich	C0775
Cyclopentyl Chloroformate	VanDeMark Chemical	
DDI Crude	VanDeMark Chemical	
Decane	Sigma-Aldrich	457116
Dessicant	EMD	DX0014-3
Deuterium chloride solution	Aldrich	176729
Devcon Plastic Steel Epoxy Putty	Devcon/Permatex	10240 1lb.
Dibenzyl Azodicarboxylate	VanDeMark Inc.	
Dibenzyl Carbonate	Sigma-Aldrich	477907
Dibutylamine	Alpha Aesar	10145848
Dibutylcarbamoyl Chloride	Sigma-Aldrich	518484
Dibutylurea	Alpha Aesar	L06165
Diethyl amine	Aldrich	110000
Diethyl amine Diethyl Carbonate	Sigma Aldrich Chemical Company Inc. / SAFC	517135
Diethyl Iminodiacetate	Aldrich	
Diethylamine	JT Baker	9216-01
Diethylcarbamyl Chloride	Sigma-Aldrich	D91403
Diethylhyrdoxylamine	Sigma-Aldrich	471593
Diethyliminodiacetate	Kodak	
Diethyllminodiacetate Carbomoyl Chloride - Liquid (DID Dimethyl Formamide	Aldrich	319937
	Sigma-Aldrich	D152803
Dimethylcarbamyl Chloride	-	A11671
Di-N-Butylamine	Alfa Aesar	
Dioxane Diphenyl Carbonate	Sigma-Aldrich Sigma-Aldrich	27309 D206539
Diphenyl Carbonate Diphenylamine	Sigma Aldrich Chemical Company Inc. / SAFC	242586
	Sigma Aldrich Chemical Company Inc. / SAFC	153591
Diphenylcarbamoyl Chloride Disodium EDTA Dihydrate	Aldrich	100001

8	Dodecane	Sigma	D221104
S	Dodecanoic Acid	Sigma	L4250
8	Dow Coming 550 Fluid	Dow Coming	550
	DTE Heavy non-detergent oil Duboth 2000	Mobil The Metro Group, Inc.	Mobil #MODTCHY05
6	Duboth S5	The Metro Group, Inc.	
	E6723	Dupont Company	
	Epa 8020/8240 Aromatic Volatiles Mix	Sigma Aldrich Chemical Company Inc. / SAFC	47504
i i	EPA 8020B Aromatic Volatile Organics Mix 1	Sigma Aldrich Chemical Company Inc.	48226-U
3	Epa Phase V Volatile Organic Compounds Mix 9	Sigma Aldrich Chemical Company Inc. / SAFC	47399
	ESPI in Xylene Solution	DuPont	R-7125
	Ether	EMD	EX0190-3
	Ethyl Acetate	Aldrich	E7770
	Ethyl Acetate	Sigma-Aldrich	270520
i)	Ethyl Alcohol	Equistar	200 Proof Pure USP
<u>က်</u> သ	Ethyl Chloroformate	VanDeMark Inc.	
		Fluka	03079-10mL
Eì	Ethylbenzene Eucolastic Polyurethane Sealant	Euclid Chemical	10 oz. tube
3	F7580	Dupont Company	, 5 52. 15
	Ferrover .	Hach	21057-69
8	FMO-200-AW	Lubriplate	FMO-200-AW
ഥ ഥ	Fuel Oil	BP Amoco Chemical Company	0000001749
	Gasoline (Generic)	Chevron Texaco Global Lubricants	
ð	Gear & Bearing Oil	Busch	VE 101
	Genetron 22	Honeywell International	
	Great Lakes BA-59P and BA-59PC	Chemtura USA Corporation	
	H6216	Dupont Company	
	H9507	Aldrich	H9507
J.	Heavy Duty PVC Cement	Oatey	31008
	• •	EMD	HX-0078-1
	Heptane	Interstate Chemical	
i i	Heptane	Alpha Aesar	A10917
	Heptanesulfonate Sodium Salt	Sigma-Aldrich	296317
Ľì.	Hexadecane	<u> </u>	200017
	Hexaethyl Guanidinium Chloride	VanDeMark Inc.	HP682
	Hexanes	Spectrum Chemical	FF00Z
	HTJ23	Dupont Company	70400
	Hyd/Turbine RO100	Cam 2	RO100
ì	Hyd/Turbine RO46	Cam 2	RO46
	Hydranal Composite 2	Riedel de Haen	34806
	Hydranal Solvent	Reidel-de-Haen	34800
ð	Hydranal Titrant 2NH	Reidel-de-Haen	34811
	Hydrochloric Acid	Brenntag	
3	Hydrochloric Acid	EMD	HX0603A-3
ď	Hydrochloric Acid	VanDeMark Inc.	
3	Hydrogen Chloride in Nitrogen	Matheson TriGas	
	Hydroxylamine 50% Free Base	BASF	50% Free Base
d	fodine	EMD	IX0125-2
Ö	lodomethane	Sigma Aldrich Chemical Company Inc. / SAFC	289566
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			Items per page 10
<u> </u>	Product Name	Manufacturer Name	Mfg Part #
)	Iron	VHG Labs	AFEN-100
j	Isopropyl Alcohol	Sigma Aldrich Chemical Company Inc. / SAFC	19782
i	Isopropyl Alcohol Anhydrous	Hukill Chemical Corp.	
	Justeq 07	The Metro Group, Inc.	
	Krytox	Dupont	#GPL207
	L8400	Dupont Company	
	L8401	Dupont Company	
	L8402	Dupont Company	
	Lauric Acid	Aldrich	W261408
i i	Lauroyl Chloride	VanDeMark Inc.	
	Leak Lock Joint Sealant Compound	Highside Chemical	684176-10016
	Liquid Chlorine	Occidental Chemical Corp	
	Lithium Chloride Solution	Mettler Toledo	C4193125
	I-Phenylalanine	Science Lab.com	
	L-Phenylalanine	Sigma-Aldrich	P2126
	L-Phenylalanine Methyl Ester Hydrochloride	Sigma-Aldrich	P17202
	Lysol Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean	Reckitt Benckiser	0069807
	Macol 25-15	BASF	
	Macol EH-3	BASF	
	Magnesium	Sigma Aldrich Chemical Company Inc. / SAFC	200905
	Magnesium Sulfate	EMD	MX0075-1
	methanol	EMD	MX0485-5
	Methyl 3-Sulfamoyl-2-Thiophenecarboxylate	DuPont	A-5546
	Methyl Alcohol	Aldrich	179337
	Methyl Chloroformate	Lanxess	
	Methyl Chloroformate	PPG Coatings and Resins	0028
	Methyl Orange	Sigma-Aldrich	234109
	Methyl Purple	Ricca	5040-4
	Methyl Red	Sigma-Aldrich	M7267
	Methyl Stearate	Penta	
	Methyl Yellow	Alpha Aesar	B21145
	Methyl-3-Sulfamoyi-2-thiophenecarboxylate	Dupont Crop Protection Company	A-5546
	Methylamine	Sigma Aldrich Chemical Company Inc. / SAFC	295531
	Methylamine Solution	Sigma Aldrich Chemical Company Inc. / SAFC	426466
	Methylene Chloride	EMD	DX0831-1
	Molecular Sieve	Alpha-Aesar	Alpha Aesar
	Moly Chain/Pin Lubricant	Sprayon	LU202
)	Monochlorobenzene	Lanxess Corporation	Monor Hoor
	MSDS No.: M32415	Occidental Chemical Corp	MSDS No.: M3241
	MSDS No.: M7745	Occidental Chemical Corp	MSDS No.: M774
	N,N-Dibutylformamide	Sigma Aldrich Chemical Company Inc.	D46904
	Naldean 2568 PULV	Nalco Company	062339
	Napa 40w detergent oil	Ashland	40w detergent oil
	n-Butyl Amine	Arkema	ORG0106
	n-Butyl isocyanate NEODOL 25-9	Lanxess Shell	V2454
	Never-Seeze n-Heptane (Pure Grade)	MRO Solutions Chevron Phillips Chemical Company LLC	10106 anti-sieze 1016082
	Nickel	VHG Labs	ANIN-100
	Nickel(li) Acetate Tetrahydrate	Sigma Aldrich Chemical Company Inc. / SAFC	244066
	Ninhydrin	EMD	NX0403-2
i	Nitric Acid	EMD	NX0407-2
	1 110 10 1 10 10		=

<u>د_ر</u>	Nitrogen (Ilquified, bulk)	Praxair	
	Nonane	Sigma-Aldrich	296821
d L		Dow	2002,
	n-Pentyl Alcohol o-Carboethoxybenzene Sulfonamide	DuPont	B4450
ij	Octane	Sigma-Aldrich	296988
			257990
	ortho-Toluenesulfonamide	Sigma-Aldrich	
固	para-Toluenesulfonamide	Sigma-Aldrich	236330
8	para-Toluenesulfonyl Chloride	Sigma-Aldrich	240877
	PB Blaster	B'Laster Corp.	128PB
····	Pentyl Chloroformate	VanDeMark Inc.	
9	Perchloric Acid 0.1N	VWR	VW3210-1
3	Phenol	Aldrich	P4161
	Phenol	Sigma-Aldrich	328111
a	Phenolphthalein	JT Baker	2870-04
	Phenyl Chloroformate	VanDeMark Chemical	
Ċ	Phenyl Chloroformate	VanDeMark Chemical Inc.	
(-)	Phenyl Ether	Sigma-Aldrich	240834
d	Phosgene	VanDeMark Inc.	
	Phosphoric Acid	EMD	PX-0995-13
3	Phthaloyl Dichloride	Sigma Aldrich Chemical Company Inc. / SAFC	P40409
	Pig Epoxy Stick	New Pig	PTY201
	Plaschek 775	Ferro	
E)	Polycarbonate of 9,9-bis(3,5-dibromo-4-hydroxyphenyl)-fluorene	Dow Chemical USA	
	Potassium Bromide	EMD	PX1378-1
E)	Potassium carbonate solid	Aldrich	P5833
	Potassium Chloride (3M)	Mettler	C4191125
	Potassium Hydrogen Phthalate	EMD	PX-1476-3
Ü	Potassium Hydroxide	Sigma-Aldrich	221473
	Potassium Hydroxide (0.1N)	BDH	BDH3548-1
	Potassium Hydroxide 45% solution	Fluka	3564
	Potassium lodate Standardette (0.1N)	CSL	109
Ü	Potassium lodide	EMD	PX1507-5
	Potassium Nitrate (2M) Propane	Mettler Sigma Aldrich Chemical Company Inc.	C4194125 318574
lij ⇔		Sigma Aldrich Chemical Company Inc.	81820
8	Propargyl Alcohol	, ,	143995
	Propargyl Chloride	Sigma-Aldrich VanDeMark Inc.	140000
	Propargyl Chloroformate		
	Propargyl N-Butylcarbamate	VanDeMark Inc.	#24.10 cm 1
D)	Pro-Seal 34	Pro-Seal Products	#34 10 oz. tube
	P-Toluenesulfonyl Isocyanate	VanDeMark Inc.	
	Pvc/Cpvc Purple Primer	Rectorseal	PR-1
Ü	Pyroplex Rec NLG1 Grease	Castrol	52253
	R-530 Oil	Busch	R-530
E	Red Primer	Rustoleum Corp.	7569
D	Rigid Dark Thd. Cutting Oil	Rigid/Emerson	41600
	Rigid Nu-Clear Thd. Cutting Oil	Rigid/Emerson	41575
	Rustoleum 9100 Activator	Rustoleum Corp.	9101
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E	Product Name	▲ Manufacturer Name	Items per page 1
, [Rustoleum 9100 Paint	Rustoleum Corp.	9100
ì	Rustoleum 9300 Activator	Rustoleum Corp.	HS9303
	Rustoleum 9300 Gray Primer	Rustoleum Corp.	9300
	Rustoleum 9400 Activator	Rustoleum Corp.	9401
	Rustoleum 9400 Paint Rustoleum 9800 Activator	Rustoleum Corp. Rustoleum Corp.	9400 9801
	Rustoleum 9800 Paint .	Rustoleum Corp.	9800
i	S6014	Aldrich	S6014
	\$8890	Aldrich	\$8890
	Saccharin	Fluka	12475
	Saltidin	VanDeMark Inc.	
	Sec-Butyl Alcohol	AMERICHEM	
	sec-Butyl Chloroformate	VanDeMark Inc.	
	SHC 630 oil	Mobil	SHC 630
	Silica Gel	Sigma-Aldrich	236772
		Ricca	7000-1
	Silver Nitrate (0.1N)		Set 22
	Simpson Strong-Tie Anchoring Adhesive	Simpson Strong-Tie	
	Slic-Tite thread sealant	La-Co	42019
	Sodium	Sigma Aldrich Chemical Company Inc. / SAFC	282065
	Sodium Biphenyl Reagent	GFS Chemicals	5005
	Sodium Carbonate	Aldrich	13418
	Sodium Chloride	Sigma Aldrich Fluka Chemical Canada Co.	310166
	Sodium Hydroxide, 50%	Occidental Chemical Corp	
	Sadium Hypochlorite	DuPont Chemicals	2738
	Sodium lodide	BDH	BDH0294
	Sodium Sulfate	EMD	SX0760E-1
	Sodium Sulfite	EMD	SX0785-1
	Sodium thiosulfate	Aldrich	217263
		EMD	SX0821-3
	Sodium Thiosulfate (0.1N)		1062
i	Sonolastic Polyurethane Sealant Starch	BASF Baker	4006-5
	Starch Indicator 1 % w/v	BDH	BDH3262-1
İ		Aldrich	
	Sulfuric Acid Sulfuric Acid	EMD	SX1247-2
	Table Salt (5lb. And 25 lb.)	Morton Salt Company	
	tert-butylbenzene	Sigma-Aldrich	B90602
		Generon IGS	11853
	Tetrabromo Bis-A Polycarbonate	VanDeMark Chemical Inc.	11650
	Tetrabromo Bisphenol-A Polycarbonate		
	Tetrabromobishydroxyphenylfluorene polycarbonate	VanDeMark Chemical Inc.	
	Tetrabutyl urea	Acros	L09458
	Tetraethylurea	Lancaster	LUGHOU
	Tetrahydrofuran	Aldrich	TV0000 4
	Tetrahydrofuran	EMD	TX0282-1
	Tetramethyl ammonium chloride	EMD	
	Thionyl Chloride	Aldrich	
	Thread Cutting Lubricant	CRC Industries	14050
	Tin (II) Octanoate	William Blythe Ltd	
	TL-5215/R Primary (Non-Rechargeable) Lithium Thionyl Chloride (Li/SOC12)	Tardian Batteries LTD	T-36-12 5215/R
	Batteries 7.2V Toluene	Aldrich	T4428
	Tributylamine	Acros	VW3210-1
		Aldrich	90335
	Triethylamine		155012
	Trimethylpentane	Sigma-Aldrich	
	Turbidity Standard	GFS Chemicals	8014
	Undecane	Sigma-Aldrich	U407
	Universal Auto-Trans. Fluid	Cam 2	Universal ATF
	Vaporene 7515	The Metro Group, Inc.	
i	Vaporene 9202	The Metro Group, Inc.	
)	Vaporene DC-50	The Metro Group, Inc.	50
	VAPORENE M-605 L	The Metro Group Inc.	

8	Vaporene N-90		The Metro Group, Inc.	
8	Versamine 552		Cognis Corporation	
8	Vilsmeir Reagent, 95%	,	VanDeMark Inc.	
8	Vilsmeir Reagent, 97%	•	VanDeMark Inc.	
8	Vinyl Chloroformate, 99%	:	Sigma Aldrich Chemical Company Inc.	526064
8	Viscosity Standard		Cannon Inst.	\$60
	Viscosity Standard		Cannon Inst.	S20
(3)	Viscosity Standard		Cannon Inst.	N10
(-)	Wasp & Hornet Spray	•	CRC Industries	14010
(-)	WD-40 Penetrating Fluid	,	№ 0-40	10010
8	Windex		Colgate Palmolive Canada	
8	Xanthan Gum	:	Sigma Aldrich Chemical Company Inc.	286028
6	XUR-1265-200201269-23	•	The Dow Chemical Company	
(F)	Xylenes		Sun	108-38-3,108-88-3, 106-42-3
H	α, α, α -Trifluorotoluene		Sigma Aldrich Fluka Chemical Canada Co.	547948
H		[] > [>]		Page 4 of 4 (374 items)

allegation that VDM wastes were disposed at the landfill is based on documentation that VDM disposed of wastes at the Lockport City Landfill and the assumption that the Upper Mountain Road Landfill serviced the same clientele as the Lockport City Landfill. VDM responded to the information request in a November 17, 2008 letter and indicated that it did not identify specific waste disposal documentation responsive to the NYSDEC request. In addition, VDM initiated operations in 1951 and, while it acquired certain assets of Niagara Chlorine Products, it did not assume or succeed to any liabilities from Niagara Chlorine. The facility has not reportedly received further correspondence from the NYSDEC regarding the site.

Based on discussions with facility personnel regarding current and former waste disposal facilities, a review of waste disposal manifest records dating back three calendar years, annual waste reports, and information contained in prior environmental reports and EDR database listings. ENVIRON identified several off-site waste management facilities that have received VDM's wastes, as noted in Table 4.2.

Table 4.2: Summary of Known Off-site Disposal Facilities CERCLIS Database Listings													
Off-site Waste Management Facility Waste Disposed at Facility CERCLIS Database Listings Active Archived*													
Oπ-site waste Management Facility	waste Disposed at Facility	Active	Archived*										
Norlite Corporation Cohoes, NY EPA ID # NYD080469935	Spent solvents	No Listing Found	No Listing Found										
Clean Harbors El Dorado, AR EPA ID # ARD069748192	Reactive wastes and hazardous waste solids	No Listing Found	DS – 11/1979 PA – 11/1979 SI – 03/1980 NFRAP – 12/1989										
Bridgeport United Recycling Bridgeport, CT EPA ID # CTD002593887	Corrosive wastes, used oil, PTSI residue	No Listing Found	No Listing Found										
Seimens Water Technologies Corp Darlington, PA EPA ID # PAD987270725	Carbon adsorption units for reclamation	No Listing Found	No Listing Found										
United Oil Recovery, Inc. Meriden, CT EPA ID # CTD021816889	Heptane and chloroform	No Listing Found	DS - 07/1991 PA - 07/1992 DR - 01/1996										
Covanta Niagara Company Niagara Falls, NY EPA ID # NYD986930543	Empty packaging and coal tar	No Listing Found	No Listing Found										
Safety Kleen Systems, Inc. Lackawanna, NY EPA ID # NYD981556541	Parts washer solvent	No Listing Found	No Listing Found										
Bethlehem Apparatus Co. Bethlehem, PA EPA ID # PAD000453084	Spent fluorescent bulbs	No Listing Found	No Listing Found										

Table 4.2: Summary of Know	Table 4.2: Summary of Known Off-site Disposal Facilities CERCLIS Database Listings													
Off side VA/s sta BAlamana and Facility	Marka Diamand at Facility	CERCLIS Da	tabase Listings											
Off-site Waste Management Facility	Waste Disposed at Facility	Active	Archived*											
Inmetco Battery Recycling Ellwood City, PA EPA ID # PAD087561015	Spent batteries	No Listing Found	DS - 08/1980 PA - 05/1985 NFRAP - 05/1985											
Harbison Brothers Buffalo, NY EPA ID # NYD013729785	Empty drums and containers	No Listing Found	No Listing Found											
EQ Resource Recovery, Inc. Romulus, MI EPA ID # MID060975844	Various wastes	Not on the NPL DS - 04/1979 PA - 04/1983 SI/HR - 08/1983 NFRAP - 10/1991 ER - 09/2005 SU - 09/2005 AO - 10/2005	N/A; see Active column.											
Modern Disposal Services Model City, NY EPA ID # NYD051817682	General facility trash, electronic waste	No Listing Found	DS - 04/1980 PA - 12/1987 NFRAP - 12/1987											

<u>Key</u>: DS = Site Discovery; PA = Preliminary Assessment; NFRAP = No Further Remedial Action Planned; DR = Deferred to RCRA; HR = Hazard Ranking System Package; SI = Site Inspection; ER = PRP Emergency Removal; SU = Site Unarchived; AO = Administrative Order on Consent

ENVIRON searched for the above-listed facilities on the USEPA's CERCLIS database. One facility (United Oil Recovery in Meriden, CT) is listed on the archived CERCLIS database with Deferred to RCRA status and three sites (Clean Harbors in El Dorado, AR; Inmetco Battery Recycling in Ellwood City, PA; and Modern Disposal Services in Model City, NY) are listed on the archived CERCLIS database with NFRAP status. Sites with Deferred to RCRA or NFRAP status are considered unlikely to represent a significant concern to the Company because remediation is generally conducted by the state environmental agency and/or responsible parties have already been identified, or no further action is required. One of the facilities (EQ Resource Recovery, Inc. in Romulus, MI) was listed on the CERCLIS database with active status, though it was not listed on the NPL. This facility receives various wastes from the subject site. According to the USEPA database, "discovery" of the site by the USEPA occurred in April of 1979, and the site received NFRAP status in October of 1991; however, in September of 2005, emergency removal actions were conducted at the site and the facility was unarchived.

If any current or former off-site waste management facilities used by VDM should become a state or federal Superfund site, subject to other federal or state enforcement proceedings, or the subject of third party lawsuits, VDM could be responsible for a portion of the potential

^{*} According to the USEPA website, the Archive designation indicates the sites at which the USEPA has no further interest under the Federal Superfund Program based on available information. The USEPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available.

Rev	31-Oct-12																		
QTY	WASTE DESCRIPTION	HAZ/ NON		PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
2	NON-HAZ SAFETY KLEEN SOLVENT	NON	NONE	PLANT	SFTYKLN	34150	RECYCLE	1-Jan-99	\$350	22	147	0	0	0	147	481	N/A	SFTYKLN	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	6-Jan-99	\$0	2800	21,000	21,000			21,000	476	MI7638849	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	11-Jan-99	\$0_	5400	40,500	40,500			40,500	477	MI7638850	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	13-Jan-99	\$0	5200	39,000	39,000			39,000	505	MI7638851	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	15-Jan-99	\$0	5500	41,250	41,250			41,250	478	MI7638852	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	18-Jan-99	\$0	5400	40,500	40,500			40,500	479	MI7638856	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001,F003	TIC-C	GAGE	GWP055	RECYCLE	-	\$0	5600	42,000	42,000			42,000	480	MI7638853	MARCUS	
4	NON-HAZ FLESOL PLASTICIZER	NON		PLANT	ENSCO	756096	INCIN	21-Jan-99	\$1,320	N/A	1,800	0	1,800	0	0	483	N/A	DART	
2	PTSI RESIDUE	NON		PTSI	ENSCO	225079	INCIN	21-Jan-99	\$660	N/A	1,170	ō	1,170	0	0	483	N/A	DART	
1	FCL RESIDUE		D002, F002, D021	2-FCL	ENSCO	658562	INCIN	21-Jan-99	\$330	N/A	357	357	357	0	0	482	AR973327	DART	
1	NON-HAZ FILTERS	NON		PLANT	ENSCO	658566	INCIN	21-Jan-99	\$330	N/A	170	0	170	0	0	483	N/A	DART	
2	NON-HAZ AC SAMPLES	NON		PLANT	ENSCO	709745	INCIN	21-Jan-99	\$660	N/A	713	0	713	0	0	483	N/A	DART	
3	LAB SOLID WASTE	HAZ		LAB	ENSCO	658564	INCIN	21-Jan-99	\$1,060	N/A	595	595	595	0	0	482	AR973327	DART	
4	SPILL CLEANUP	HAZ	F002, F003, F005, D021, D022	PLANT	ENSCO	658564	INCIN	21-Jan-99	\$1,320	N/A	647	647	647	0	0	482	AR973327	DART	
4	WASTE ETHYL ACETATE	1447	D004 F003	TIC C	0405	OMPOSS	חבסעסן ב	20 1 00	-	5400	40.500	40 500			40.500	405	M176200E4	MARCUS	
	DEA WATER	HAZ	D001, F003 D001, D002	TIC-C HEGCL	GAGE ROSS	GWP055 52906	RECYCLE INCIN	29-Jan-99 30-Jan-99	\$0 \$7,844	5400 4788	40,500 32,345	40,500 32,345	32,345	0	40,500	485 484	MI7638854 NYB5587515	ROSS	
	WASTE ETHYL ACETATE												32,040					MARCUS	
	WASTE ETHYL	HAZ	D001, F003	TIC-C	GAGE		RECYCLE	1-Feb-99	\$0	5400	40,500	40,500			40,500	486	MI7638855		
1	WASTE ETHYL	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	2-Feb-99	\$0	5600	42,000	42,000			42,000	487	MI7638857	MARCUS	
1	ACETATE CALGON CYCLESORB	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	3-Feb-99	\$0	5400	40,500	40,500			40,500	488	MI7638858	MARCUS	
3	UNITS	HAZ	F002, F005	PLANT	CALGON	2543R	RECYCLE	16-Feb-99	\$770	N/A_	19,800	19,800	0	0	19,800	489	PAE6735714	HAZMAT	
			BOL 1, BOLL, 1 GOL,	20%ODO, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF,															
1	MIXED SOLVENTS	HAZ	F003, F005	18%PLANT	ROSS	44509	INCIN	18-Feb-99	\$8,362	3880	29,100	29,100	29,100	0	0	490	NYB5587668	HAZMAT	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	24-Feb-99	\$0	5700	42,750	42,750			42,750	491	MI7638865	MARCUS	
1	MIXED SOLVENTS LAB SOLID WASTE	HAZ	D001, D021, D022, F002, F003, F005 D021, D022, F005,	20%ODO, 2%PNBC, 3%LAB, 24%ZMESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 18%PLANT	ROSS SFTYKLN	44509 VA020-005	INCIN	26-Feb-99 9-Mar-99	\$4,342 -\$3,767	2600 N/A	19,500 147	19,500	19,500	0	0	492 493	NYB5587659 MAK817772	HAZMAT SFTYKLN	
1	COD VIALS	HAZ	D002, D007	LAB	SFTYKLN	VA020-006	INCIN	9-Mar-99	\$225	N/A	15	15	0	0	15	493	MAK817772	SFTYKLN	
1	LAB NON-REACTIVE LIQUID		F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	124269	INCIN	30-Mar-99	\$213	50	375	375	375	0	0	496	MAK787728	CLEAN HAR	

kev	31-UCL-12	,													· · · · · · ·				
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	METHOD	SHIP DATE	COST	VOL	DISP WT Ibs	WT	INCINERATION WT	WW WT lbs	RECYCLE	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
			F002, F003, F005,							gals	IDS	lbs	ins	108	lbs	MOM	NOW	. 	
			D001, D003,																
	LAB REACTIVE LIQUID	HAZ	D021, D022	LAB	CLEAN HAR	124170	INCIN	30-Mar-99	\$368	30	81	81	81	0	0	497	CTF0380640	CLEAN HAR	
2	LAB SOLID WASTE	HAZ	F003, F005, D021, D022	LAB	CLEAN HAR	124262	INCIN	30-Mar-99	\$576	110	321	321	321	o	0	497	CTF0380640	CLEAN HAR	
	SPEEDI	11742	0022		3227 W 17 17 W	12.1202		00 11101 00	4070	'''	1		021				011 00000 10		<u></u>
	DRY/SAMPLES/CLEAN		NONE	DIANE	0.544.445	404070	1000	00 14 00	0000	N. (A	000			•		407	0750200040	DI EANLUAD	
	UP	NON	NONE	PLANT	CLEAN HAR	131276	INCIN	30-Mar-99	\$288	N/A	390	0	0	0	0	497	CTF0380640 CTF0380639	CLEAN HAR	
4	SPENT DMF/WATER	NON	NONE	ACL		124259	INCIN	30-Mar-99 30-Mar-99	\$608	150	1,251	0	0	0	0	495	MAK787728	CLEAN HAR	
	WASTE OIL W/MCB CALGON FIBERGLASS	HAZ	D001, D021, F002	PTSI	CLEAN HAR	131275	INCIN	30-Mar-99	\$213	50	375	375	375	0	0	496	WAN/0//28	CLEAN HAR	
4	UNIT	HAZ	F002	PLANT	CALGON	2542R	REGEN	30-Mar-99	\$385	N/A	4,000	4,000	0	0	4000	494	PAE6796952	HAZMAT	
	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	124261	INCIN	30-Mar-99	\$288	N/A N/A	400	4,000	0	0	0	494	CTF0380639	CLEAN HAR	
	CALGON SS	NON	NONE	PISI	CLEAN HAR	124201	INCIN	30-IVIAI-99	\$200	IN/A	400		- 0	<u> </u>	 	493	C1F0300039	CLEAN HAR	
اد	CYCLESORB UNITS	HAZ	F002/F005	PLANT	CALGON	2543R	REGEN	30-Mar-99	\$385	N/A	16,000	16,000	0	0	16000	494	PAE6796952	HAZMAT	
	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	124264	INCIN	30-Mar-99	\$208	N/A	250	0	1 0	0	0	495	CTF0380639	CLEAN HAR	
	TOLUENE/TEU/DEA/WA		NONE	PLANT	CLEAN HAR	124204	INCIN	30-IVIAI-99	\$200	IN/A	230	-	-		1 -	490	C110300039	DLEAN HAR	
4	TER	HAZ	F005, D001	HEGCL	ROSS	53148	INCIN	5-Apr-99	\$7,895	5528	35,600	35,600	35,600	0	0	498	NYB5586957	ROSS	
	NON-HAZ SAFETY	11/1/2	1 003, 2001	TIEGOL	ROSS	33140	INCIN	3-Api-99	\$7,093	3320	33,000	33,000	33,000	0	+	430	141 00000007	1000	
	KLEEN SOLVENT	NON	NONE	PLANT	SFTYKLN	34150	RECYCLE	6-Apr-99	\$350	26	174	0	l n 1	0	1 0 1	506	N/A	SFTYKLN	
	NEUTRALIZED DMF	NON	NONE	ACL	ROSS	41004	INCIN	9-Apr-99	\$7,200	3753	28,148	0	1 0	0		499	NYB5587605	ROSS	
	NEOTICALIZED DIVI	11011	NONE	AGE	1,000	41004	INCHA	9-Api-99	Ψ1,200	3733	20,140	-	+	· · · · · · · · · · · · · · · · · · ·	+Ŭ	700	147 00007000	1,000	
	LAB NON-REACTIVE		F002, F003, F005,																
	LIQUID		D001, D021, D022	LAB	CLEAN HAR	124269	INCIN	13-Apr-99	\$172	50	375	375	375	0	0	503	MAK787738	CLEAN HAR	
	VANCHLOR GAS AND	11/4	D001, D021, D022	LAD	CLLANTIAN	124209	INCIN	13-Api-99	\$172	30	373	373	375		+	303	IVIARTOTTO	DEEAN HAR	
4	OIL	HAZ	D001, D018	VANCHI OB	CLEAN HAR	124283	INCIN	13-Apr-99	\$172	50	350	350	350	0		504	MAK787737	CLEAN HAR	
	OIL	TAZ.	F002,F003, D003,	VANCHEOR	CLEAN HAR	124203	INCIN	13-Api-99	\$172	30	330	330	330	U	 	504	IVIARTOTTST	CLEAN HAR	
	ODO FILTERS	HAZ	D021	ODO	CLEAN HAR	124251	INCIN	13-Apr-99	\$247	N/A	250	250	250	0	0	503	MAK787738	CLEAN HAR	
1			F000 D000 D004	0 DI ANIT 4			li												
			F002, D002, D001,			101000		40.4.00	2404	4.50	1 405	4.405	1 405	•	_	500	*****	L. = 4 5	
	MCB/DEA/WATER	HAZ	D021	PNBC	CLEAN HAR	124303	INCIN	13-Apr-99	\$484	150	1,125	1,125	1,125	0	0	503	MAK787738	CLEAN HAR	
	WATER/MCB		F002, D001, D021	PTSI	CLEAN HAR	124271	INCIN	13-Apr-99	\$516	150	1,125	1,125	1,125	0	0	503	MAK787738	CLEAN HAR	
	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	124261	INCIN	13-Apr-99	\$1,976	N/A	2,400	0	0	0	0	502	CTF0380648	CLEAN HAR	
	SPENT CARBON SPILL	HAZ	F002, F005	PLANT	CLEAN HAR	124301	INCIN	13-Apr-99	\$741	N/A	900	900	900	0	0	502	CTF0380648	CLEAN HAR	
	SPEEDI DRY SAMPLES/CLEANUP	HAZ	F002, D021	PLANT	CLEAN HAR	124263	INCIN	13-Apr-99	\$1,482	N/A	1,800	1,800	1,800	0	0	502	CTF0380648	CLEAN HAR	
	45.00.15.144.055		F002, F003, F005,		0. = 4.4	40.400			44 400		1			_			075000040		
	LAB SOLID WASTE	HAZ	D021, D022	LAB	CLEAN HAR	124262	INCIN	13-Apr-99	\$1,482	N/A	1,800	1,800	1,800_	0	0	502	CTF0380648	CLEAN HAR	
ì	ODO BAGS									1	1		1 1		1				
	(ISOBUTYRIC ACID &		NONE	0.00	0.545	10.1070		40.4.00	* 0.47					_			*****	h. = 4.1.1.4.5	
	HYDRAZIDE)	NON	NONE	ODO	CLEAN HAR	124272	INCIN	13-Apr-99	\$247	N/A	200	0	0	0	0	501	MAK787739	CLEAN HAR	
	SPEEDI															į			
	DRY/SAMPLES/CLEAN						_		4										
	UP	NON	NONE	PLANT	CLEAN HAR	131276	INCIN	13-Apr-99	\$988	N/A	1,200	0	0	0	0	500	CTF0380647	CLEAN HAR	<u> </u>
	MANHOLE SLUDGE	NON	NONE	PLANT	CLEAN HAR	124302	INCIN	13-Apr-99	\$741	N/A	900	0	0	0	0	500	CTF0380647	CLEAN HAR	
	WASTE BRINE	NON	NONE	PLANT	CLEAN HAR	124266	INCIN	13-Apr-99	\$81	50	350	0	0	0	0	500	CTF0380647	CLEAN HAR	
	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	124264	INCIN	13-Apr-99	\$333	N/A	600	0	0	0	0	500	CTF0380647	CLEAN HAR	
	MIVED COLVENTO		D004 D004	AN DUDG 250 :				j											
	MIXED SOLVENTS		D001, D021,	3% PNBC, 35% HEGCL, 14% PTSI, 16% PCF, 8%	посс	44500	,,,,,,,,	07.4 00	60.004	0000	45.000	45.000	45 000	^		-c	NIVDEE05000	1107007	
_1	(TOLUENE, ACETONE)	HAZ	D022, F003, F005	BCF, 24% PLANT	ROSS	44509	INCIN	27-Apr-99	\$2,684	2000	15,000	15,000	15,000	0	0	507	NYB5565096	HAZMAT	
	LAB PACK TOXIC SOLIDS, ORGANIC (P-		•			1				:									
	NITROPHENOL, 4-		ļ																
	CHLOROANILINE)	HAZ	U170, P024	LAB	ENSCO	780445	INCIN	28-Apr-99		30	75	75	75	0	1 0 1	508	AR973431	I	CARTAGE, INC.

Rev	31-Oct-12																	
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP	SHIP DATE	EST COST \$	DISP VOL gais	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER CATEGORY
	LAB PACK CORROSIVE SOLIDS, TOXIC (IODINE MONOCHLORIDE,								•	34.0								
1	CYANURIC ACID)	HAZ	D003	LAB	ENSCO	780445	INCIN	28-Apr-99		14	30	30	30	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK CORROSIVE LIQUIDS,(THIONYL CHLORIDE, ALLOYL	HAZ	D002 D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	40	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
	CHLORIDE) LAB PACK ORGANIC PEROXIDE TYPE D, SOLID (DILAUROYL PEROXIDE, BENZOYL	HAZ	D002,D003	LAB	ENSCO	780445	INCIN	20-Api-99		<u> </u>	10	10	10	<u> </u>		506	AR973431	PREEHOLD CARTAGE, INC.
1	PEROXIDE)	HAZ	D001	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
	LAB PACK WASTE WATER REACTIVE SOLID, SELF-HEATING (ZINC DUST, POTASSIUM T-																	
1	BUTOXIDE)	HAZ	D001, D003	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
	LAB PACK FLAMMABLE LIQUIDS, CORROSIVE (PROPARGYL CHLORIDE, IODOPROPARGYL																	
1	ALCOHOL)	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK BARIUM COMPOUNDS	HAZ	D005	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK FLAMMABLE LIQUIDS, CORROSIVE (DIETHYL ETHER, HCL)		D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
	LAB PACK CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE (PCF, 2-	11/2	5001, 5002	LAD	LNGCO	700443	IIVOIIV	20-Αμί-33		J	10	10	10			300	ANOTOTO	TREETIGES ON TAGE, INC.
1	MSECF)	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK METHYL IODIDE	HAZ	U138	LAB	ENSCO	780445	INCIN	28-Apr-99		4	5	5	5	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK ALLYL CHLOROFORMATE	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		4	5	5	5	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
	LAB PACK CORROSIVE SOLID, ACIDIC, ORGANIC (TRIMELLITIC																	
1	ANHYDRIDE) LAB PACK ISOCYANATES (OCTADECYLISOCYAN ATE, 4- CHLOROPHENYLISOC	NON	NONE	LAB	ENSCO	780445	INCIN	28-Apr-99		14	30	0	0	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	YANATE)	NON	NONE	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	0	0	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK NON-HAZ	NON	NONE	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	0	0	0	0	508	AR973431	FREEHOLD CARTAGE, INC.
1	LAB PACK MERCURY COMPOUNDS	HAZ	D009	LAB	ENSCO	780446	RECOVER	28-Apr-99		5	10	10	0	0	10	509	AR973430	FREEHOLD

Rev 31-Oct-12 WASTE HAZI EDA DECC ADECOVAL DISP SHIP EST DISP HAZ NICHERATION WAY DECYCLE MEST STATE TO																		
	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER CATEGORY
1									\$	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	
	SPEEDI DRY	i							 	94.0	 		+ :20		 			
7	SAMPLES/WASTE OIL	NON	NONE	PLANT	CLEAN HAR	CH131276	INCIN	5-May-99	\$2,388	350	1,581	0	0	0	0	510	MDC0795821	CL HAR & DART
1	WASTE OIL WITH MCB		F002, D001, D021	PNBC	CLEAN HAR	CH131276	INCIN	5-May-99	\$166	50	421	421	421	0	0	511	CTF0761168	CLEAN HAR
-	WASTE OIL WITH WICE	HAZ.		PNBC	CLEAN HAR	CH131275	INCIN	5-iviay-99	\$100	50	421	421	421	<u> </u>	+	511	C1F0/61106	CLEAN HAR
	AD COLID MACTE		F002, F003, F005,		OLEAN LIAD	01404000	INICINI	5 1400	0044	50	70	70	70	•		F4.4	0750704400	D. 54411145
1	LAB SOLID WASTE	HAZ	D021, D022	LAB	CLEAN HAR	CH124262	INCIN	5-May-99	\$241	50	72	72	72	0	0	511	CTF0761168	CLEAN HAR
	CALGON VENT SORB	l <u>-</u>												_	1 _			
2	WASTE DRUM	HAZ	F002, D021	PLANT	CLEAN HAR	CH131345	INCIN	5-May-99	\$482	100	638	638	638	0	0	511	CTF0761168	CLEANHAR
5	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	CH124261	INCIN	5-May-99	\$1,204	250	2874	0	0	0	0	511	CTF0761168	CLEAN HAR
3	TIC-C RAG LAYER	HAZ	D001, D002	TIC-C	CLEAN HAR	CH131347	INCIN	5-May-99	\$1,784	150	914	914	914	0	0	512	MAK246739	CLEAN HAR
2	COD WASTE VIALS		D002, D007, D010	LAB	CLEAN HAR	CH131346	RECOVER	5-May-99	\$161	10	10	10	0	0	10	512	MAK246739	CLEAN HAR
4	SPEEDI DRY MCB/PCF	HAZ	D009, D021	PCF	CLEAN HAR	CH124257	INCIN	5-May-99	\$1,797	200	1558	1,558	1,558	0	0	512	MAK246739	CLEAN HAR
2	DMF/WATER	NON		ACL	CLEAN HAR	CH124259	INCIN	5-May-99	\$792	100	540	0	0	0	0	512	MAK246739	CLEAN HAR
1	MCB/PCF	HAZ	F002, D001, D021	PCF	CLEAN HAR	CH124305	INCIN	5-May-99	\$382	50	350	350	350	0	0	513	MAK246737	CLEAN HAR
	LAB NON-REACTIVE		F002, F003, F005,												1			
1	LIQUID	HAZ	D001, D021, D022	LAB	CLEAN HAR	CH124269	INCIN	5-May-99	\$175	50	433	433	433	0	1 0 1	513	MAK246737	CLEAN HAR
			F002, F003, D001,															
1 1	ACETONE, MCB, DEA	HAZ	D021	HEGCL	CLEAN HAR	CH131344	INCIN	5-May-99	\$110	50	400	400	400	0		513	MAK246737	CLEAN HAR
<u> </u>	VANCHLOR FERRIC							o inay oo	4		1	1			 			
1	CHLORIDE	NON	NONE	VANCHLOR	CECOS	282411	wwt	1-Jun-99	\$4,312	6000	50000	0	1 0 1	0		514	282411	HAZMAT
	CALGON FIBERGLASS	11011	110112	VYWOTILOT	02000	LOLITI	 	1 0411 00	Ψ1,012	- 0000	1 00000	 	 		+			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1	UNIT	HAZ	F005	PLANT	CALGON	2542R	RECYCLE	22-Jun-99	\$385		2000	2,000		0	2000	515	PAX9312612	HAZMAT
1	CALGON SS UNIT	HAZ	F002,F005	PLANT	CALGON	2543R	RECYCLE		\$385		2000	2,000	0	0	2000	515	PAX9312612	HAZMAT
	CALGON GO CIVIT	11/72	F002, F003, D001,	LEVIAL	CALGON	204011	INLOTOLL	22-Juli-33	Ψ303		2000	2,000	 		2000	313	F/M8312012	TIAZIVIAT
4	ACETONE, MCB, DEA	HAZ	D021	HEGCL	CLEAN HAR	CH131344	INCIN	29-Jun-99	\$110	50	440	440	440	0	0	516	MAK256322	CLEAN HAR
\ <u>'</u>	SPEEDI DRY WITH	naz	D021	HEGGL	CLEAN HAR	CH131344	INCIN	29-Jun-99	3110	50	440	440	440		 	310	IVIANZOOSZZ	CLEAN HAR
	MCB, PCF	HAZ	D021	505	OLEAN HAD	01404057	INCIN	00 1 00	0457		200	382	200	0	_	546	1441/0EC000	DI EARLUAD
- '		I HAZ	D021	PCF	CLEAN HAR	CH124257	INCIN	29-Jun-99	\$457	50	382	302	382		0	516	MAK256322	CLEAN HAR
	INSULATION WITH		MADO NONE	DIANT	OLEAN HAD	011404444	l wow	00 1 00	00.045	000	4000	_		•		540	*********	h. EANLIAD
12	THERMINOL	NON	MA99, NONE	PLANT	CLEAN HAR	CH124411	INCIN	29-Jun-99	\$2,915	600	1320	0	0	. 0	0	516	MAK256322	CLEAN HAR
	CALGON VENTSORB	l .		· · · · -					***					_	_		07505050	L
1	DRUM	HAZ	F002,D021	PLANT	CLEAN HAR	CH131345	INCIN	29-Jun-99	\$241	50	267	267	267	0	0	517	CTF0767379	CLEAN HAR
10	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	CH124261	INCIN	29-Jun-99	\$2,408	500	6700	0	0	00	0	517	CTF0767379	CLEAN HAR
	SPEEDI DRY/ PLANT																	
2	SAMPLES/OIL	NON	NONE	PLANT	CLEAN HAR	CH131276	INCIN	29-Jun-99	\$482	100	916	0	0	0	0	517	CTF0767379	CLEAN HAR
4	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	CH124264	INCIN	29-Jun-99	\$963	200	871	0	0	0	0	518	CTF0767380	CLEAN HAR
4	OIL WITH MCB	HAZ	F002,D001,D021	PNBC	CLEAN HAR	CH131275	INCIN	29-Jun-99	\$663	200	1640	1,640	1,640	0	0	519	IL7829384	CLEAN HAR
			D002, D007,															
1	COD WASTE VIALS	HAZ	D009, D010	LAB	CLEAN HAR	CH131346	RECOVER	29-Jun-99	\$80	50	35	35	0	0	35	519	IL7829384	CLEAN HAR
			F002, F003, F005,															
1 1	LAB SOLID WASTE	HAZ	D021, D022	LAB	CLEAN HAR	CH124262	INCIN	29-Jun-99	\$241	50	150	150	150	0	0	519	IL7829384	CLEAN HAR
	LAB NON-REACTIVE		F002, F003, F005,]				ļ		
1 1	LIQUID		D021, D022, D001	LAB	CLEAN HAR	CH124269	INCIN	29-Jun-99	\$166	55	450	450	450	0	o	519	IL7829384	CLEAN HAR
4	MCB/PNBC	HAZ	D001	PNBC	CLEAN HAR	CH124412	INCIN	29-Jun-99	\$2,117	200	1799	1,799	1,799	0	0	520	NYG1670157	CLEAN HAR
-	SAFETY KLEEN					J		20 0011 00	 , : · ·		1 55	-,,,,,,	 		 			
1	SOLVENT	NON	NONE	PLANT	SFTYKLN	34150	RECYCLE	1-Jul-99	\$350	24	161	Ιo	0	0	1 0 1	521	N/A	SFTYKLN
- 	WASTE ETHYL	1,5,11	1101112	1 1141	OI I IIVEIV	0,100		1 001 00	Ψ000	<u></u>	'''	_ 	 		 	<u> </u>	13// 1	V. 111214
4	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	7-Jul-99	\$0	5700	42,750	42,750			42,750	522	MI7638859	MARCUS
 ' 	WASTE ETHYL	11774	5001,1000	110-0	OAGL	G 4 41 - 0 3 3	, ALOTOLE	i -5ai-55	ΨΟ	3700	72,700	72,700	 	· · · · · · · · · · · · · · · · · · ·	72,700	JEE	WIT 000000	10000
	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	a lul aa	\$0	4900	36 000	36,000	[]		36,000	523	MI7638860	MARCUS
 	WASTE ETHYL	IIAZ	D001, F003	110-0	GAGE	GVVFU00	RECTULE	9-Jul-99	ΦU	4800	36,000	30,000	 	· · · ·	30,000	023	1000000	IVIARCUS
		LL A -	D004 E002	TIC 0	0,05	CIMPOSS	DECYC: E	40 6-7-00	_ <u></u>	6066	45 450	14E 4E0			1 45 450	E04	MI7620064	BUE FUEL CORR
' - 1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	10-Jul-99	\$0	6060	45,450	45,450	 	· · · · · · · · · · · · · · · · · · ·	45,450	524	MI7638861	BUF FUEL CORP
اد	WASTE ETHYL	, , , , ,	D004 F000	TIC 0	040=	OMESSE	DE0.401 =	40 5 500	₆₀	5455	40.500	40.500]		1 40 500	505	M1700000	MARQUE
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	12-Jul-99	\$0	5400	40,500	40,500	 		40,500	525	MI7638862	MARCUS
	WASTE ETHYL		Dags ====										1				4417000000	
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	14-Jul-99	\$0	5700	42,750	42,750	L		42,750	526	MI7638863	BFC

lev	31-Oct-12										_								
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
	WASTE ETHYL									9			1		1		KOM		
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	15-Jul-99	\$0	3289	24,668	24,668			24,668	527	MI7638864	BFC	
اا	CALGON SS		F000 F005	DIANT	041.001	05400	DEOVOLE	00 1.1.00	0770		0000	0.000	4 000		4000	500	DAY0040045		
1	CYCLESORB UNIT NEUTRALIZED DMF	NON	F002, F005	PLANT ACL	CALGON ROSS	2543R WPS41004	RECYCLE	20-Jul-99 4-Aug-99	\$770 \$4,194	2,200	2000 17,540	2,000 17,540	1,000 17,540		1000	528 529	PAX9312645 NYB558698 4	HAZMAT ROSS	
	WASTE ETHYL	IVOIV		AUL	1000	VI 341004	IIVOIIV	4-Aug-33	ψ 4 ,134	2,200	17,540	17,540	17,540		-	<u> </u>	141 000000 4	1 1000	
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	9-Aug-99	\$0	5700	42,750	42,750	0		42,750	530	MI7638866	MARCUS	
	TOLUENE/TEU/DEA/WA		-																
1	TER	HAZ	F005	HEGCL	ROSS	WPS53148	INCIN	10-Aug-99	\$6,200	4,700	38,960	38,960	38,960			531	NYB558711 9	ROSS	
4	WASTE ETHYL ACETATE	1147	D004 F002	TIO O	0405	CVA/DOFF	DECYCLE	44 4 00		5500	44.050	44.050	,		44.050	500	NA17020007	MADONO	
1	WASTE ETHYL	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECTULE	11-Aug-99	\$0	5500	41,250	41,250	0		41,250	532	MI7638867	MARCUS	
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	12-Aug-99	\$0	5700	42,750	42,750	l o l		42,750	533	M17638868	MARCUS	
1	CALGON FRP UNIT	HAZ	F005	HEGCL	CALGON	2542R		23-Aug-99	\$770		2,000	2,000	Ö		2000	534	PA9312634	HAZMAT	
	WASTE ETHYL																		
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	23-Aug-99	\$0	5400	40,500	40,500	0		40,500	535	MI7638869	MARCUS	
	LAR NON DEACTIVE		E000 F000 F00E																
2	LAB NON REACTIVE		F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$348	100	851	851	851			536	IL8448972	CLEAN HAR	
3	MCB/PNBC WASTE	HAZ	D001, D021, D022	PNBC	CLEAN HAR	CH124269	INCIN	24-Aug-99 24-Aug-99	\$522	150	1,347	1,347	1,347		 	536	IL8448972	CLEAN HAR	
1	OIL WITH MCB		F002, D001, D021	PTSI	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$173	50	440	440	440			536	IL8448972	CLEAN HAR	
			D002, D007,								1								
1	COD WASTE VIALS	HAZ	D009, D0100	LAB	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$106		25	25	25			536	IL8448972	CLEAN HAR	
	LAB SOLID																		
	WASTE/SPILL	t 1	F002, F003, F005,	D. 41.7	0.54	0/140 4000		0.4							1			L	
6	CLEANUP	HAZ	D021, D022	PLANT	CLEAN HAR	CH124262	INCIN	24-Aug-99	\$1,653		2,114	2,114	2,114		-	537	IL8448973	CLEAN HAR	
	WASTE FILTERS DMF/WATER	NON		PLANT ACL	CLEAN HAR	CH124264 CH124259	INCIN	24-Aug-99 24-Aug-99	\$560 \$1,332	100	768 624	0	768 624	·	1	538 538	CTF0874925 CTF0874925	CLEAN HAR	
	WASTE OIL	NON		PLANT	CLEAN HAR	CH124259 CH124268	INCIN	24-Aug-99 24-Aug-99	\$1,332	50	354	0	354		-	538	CTF0874925	CLEAN HAR	
1	MCB/WATER		F002, D001, D021	PLANT	CLEAN HAR	CH124271	INCIN	24-Aug-99	\$171	50	422	422	422			539	CTF0874924	CLEAN HAR	
2	VENTSORB WASTE	HAZ	F002, D021	PLANT	CLEAN HAR	CH131345	INCIN	24-Aug-99	\$547		505	505	505			539	CTF0874924	CLEAN HAR	
	PTSI RESIDUE	NON		PTSI	CLEAN HAR	CH124261	INCIN	24-Aug-99	\$1,928		5,402	0	5,402			539	CTF0874924	CLEAN HAR	
	SPEEDI DRY/OIL	NON		PLANT	CLEAN HAR	CH131276	INCIN	24-Aug-99	\$964		1,200	0	1,200			539	CTF0874924	CLEAN HAR	
	A OFTONE (MAOD (DE A		F002, F003, D001,	115001	015411410	011404044	,,,,,,,,	04.4 00	0.475	200	4.540	4.540				- 40	*****		
4	ACETONE/MCB/DEA	HAZ	D021 F002, D001, D002,	HEGCL	CLEAN HAR	CH131344	INCIN	24-Aug-99	\$475	200	1,510	1,510	1,510			540	MAK248318	CLEAN HAR	
5	MCB/DEA/WATER	HAZ	D021	PNBC	CLEAN HAR	CH12//303	INCIN	24-Aug-99	\$844	250	1,924	1,924	1,924			540	MAK248318	CLEAN HAR	
<u> </u>	WASTE ETHYL	11/1/2.	DOZI	TNDO	OLLANTIAN	011124303	IIICIII	24-//ug-99	Ψυττ	200	1,024	1,324	1,324			340	IVIAINZ403 TO	CLLANTIAN	
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	24-Aug-99	\$0	4000	30,000	30,000	o		30,000	541	MI7638870	MARCUS	
	WASTE ETHYL											, , , , , , , , , , , , , , , , , , ,							
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	26-Aug-99	\$0	5800	43,500	43,500	0		43,500	542	MI7638871	MARCUS	
	WASTE ETHYL	l <u>.</u> l	5554 5555																
1	ACETATE WASTE ETHYL	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	29-Aug-99	\$0_	5750	43,125	43,125	0		43,125	543	M17638872	MARCUS	
4	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	30-Aug-99	\$0	5750	43,125	43,125	0		43,125	544	MI7638873	MARCUS	
	WASTE ETHYL	11/2	D001,1 003	110-0	OAGL	GVVI 000	INLOTOLL	30-Aug-33	40	3730	43,123	43,123			73,123	344	10117 03007 3	WARCOS	
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP005	RECYCLE	1-Sep-99	\$0	5400	40,500	40,500	0		40,500	545	MI7638874	MARCUS	
	WASTE ETHYL							•			, , , , , , , , , , , , , , , , , , , ,								
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	3-Sep-99	\$0	5500	41,250	41,250	0		41,250	546	MI7638875	MARCUS	
	WASTE ETHYL	_. _]																	
_1 _	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	8-Sep-99	\$0	5630	42,225	42,225	0		42,225	547	MI7744201	MARCUS	
4	WASTE ETHYL ACETATE	HAZ	D004 E003	TIC-C	CACE	C)MD055	DECYCLE	10 000 00	60	E400	40.500	40 500			4E 000	E40	M17744000	MARCHE	
3	SS CYCLESORB UNIT	HAZ	D001, F003 F002, F005	PLANT	GAGE CALGON		RECYCLE RECYCLE		\$0 \$779	5400	40,500 6,000	40,500 6,000	0		45,000 6,000	548 549	MI7744203 PA9312623	MARCUS HAZMAT	
	TOLUENE/TEU/DEA/WA	11/74	1 002, 1 003	1 = 7.11	OALGON	といせいい	INLUTULE	10-0eh-99	ψΠΘ		0,000	0,000			0,000	U40	1 733 12023	IICKIVIAI	
1	TER	HAZ	F005	HEGCL	ROSS	WPS 48093	INCIN	15-Sep-99	\$4,949	4500	33,750	33,750	33,750			550	NYB5588046	ROSS	
	WASTE ETHYL								, , ,			,	, , , , ,						
1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	16-Sep-99	\$0	5400	40,500	40,500			45,000	551	M17744204	MARCUS	

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Rev		31-Oct-12																		
		WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE		TONS PER
QTY	·	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
l										\$	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
	\top	WASTE ETHYL								<u> </u>		1								
	1	ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	17-Sep-99	\$0	4750	35,625	35,625			35,625	552	MI7744205	MARCUS	
	1	TOLUENE/TEU/DEA/WA		· · · · · · · · · · · · · · · · · · ·											-					
	1	TER	HAZ	F005	HEGCL	ROSS	WPS48093	INCIN	17-Sep-99	\$3,566	3437	25,778	25,778	25,778			553	NYB558809 1	ROSS	
	1	NEUTRALIZED DMF	NON		ACL	ROSS	WPS410004	INCIN	20-Sep-99	\$4,843	2700	21,280	21,280	21,280			554	NYB558767 7	ROSS	
		WASTE ETHYL																		
		ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	21-Sep-99	\$0	5400	40,500	40,500			45,000	555	MI7744206	MARCUS	
		WASTE ETHYL												1						
	_	ACETATE	HAZ	D001, FOO3	TIC-C	GAGE	GWP055	RECYCLE	22-Sep-99	\$0	5000	37,500	37,500			37,500	556	MI7744207	MARCUS	
		SAFETY KLEEN																		
		SOLVENT	NON	NONE	PLANT	SFTY KLEEN		RECYCLE	23-Sep-99	\$350	24	180	0			180	557	NYD175773779	BFTY KLEEN	
		WASTE ETHYL					014/5055					10.500	40.500	1		1	550	14,000		
ļ		ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	24-Sep-99	\$0	5400	40,500	40,500	ļ		45,000	558	MI7744208	MARCUS	
	1 1	WASTE ETHYL		D004 5000	T10.0	0405	OMEDOCC	ם וסעטו ב	00 0 00	00	5400	40.500	40.500			45 000	FF0	1417744000	MADONE	
	ightarrow	ACETATE WASTE ETHYL	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	28-Sep-99	\$0	5400	40,500	40,500	 		45,000	559	MI7744209	MARCUS	
.		ACETATE	HAZ	D004 E003	TIC-C	GAGE	GWP055	RECYCLE	4-Oct-99	40	5250	39,375	39,375			39,375	560	MI7744213	MARCUS	
6		WASTE OIL W/FREON	NON	D001, F003	PLANT	CLEAN HAR	CH147716	INCIN	26-Oct-99	\$0	300	2.386	39,373	2,386		35,3/5	561	IL8496523	CLEAN HAR	
	\rightarrow	METHYLENE	INOIN	 	FLAINI	OLLAN HAR	011147710	IIVOIIV	20-001-99		300	2,300	 	2,300		+	JU I	120730023	PLLAN HAR	
.		CHLORIDE	HAZ	U080	PILOT LAB	CLEAN HAR	CH147711	INCIN	26-Oct-99		50	400	400	400			562	MAK250837	CLEAN HAR	
		ACETONE/MCB/DEA		F002, F003, D001	PLANT	CLEAN HAR	CH131344	INCIN	26-Oct-99		250	1,775	1,775	1,775			562	MAK250837	CLEAN HAR	
<u> </u>		HAZ WASTE FILTERS		F002, F003, D003	PLANT	CLEAN HAR	CH124251	INCIN	26-Oct-99		50	55	55	55			562	MAK250837	CLEAN HAR	·
		VENTSORB WASTE	HAZ	· · · · · ·	PTSI	CLEAN HAR	CH131345	INCIN	26-Oct-99		150	1,103	1,103	1,103		1	563	CTF0891519	CLEAN HAR	
1		WASTE FILTERS	NON		PLANT	CLEAN HAR	CH124264	INCIN	26-Oct-99		50	342		342		1	563	CTF0891519	CLEAN HAR	
		OIL W/MCB	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	26-Oct-99		300	2,615	2,615	2,615			564	IL8496522	CLEAN HAR	
		WASTE																		·
·	1	TETRAHYDROFURAN	HAZ	U213, D001	PILOT LAB	CLEAN HAR	CH147713	INCIN	26-Oct-99		50	180	180	180			564	IL8496522	CLEAN HAR	
				D002, D007,					,											
	1	COD WASTE VIALS	HAZ	D009, D011	LAB	CLEAN HAR	CH131346	TREAT	26-Oct-99		2	10	10			10	564	IL8496522	CLEAN HAR	
		LAB SOLID												1 1						
	1 1	WASTE/SPILL CLEAN-		F002, F003, F005,					_					1 1					L	
		UP	HAZ	D021, D022	PLANT	CLEAN HAR	CH124262	INCIN	26-Oct-99		300	2,276	2,276	2,276			564	IL8496522	CLEAN HAR	
i		WASTE FILTERS/												1						
		THERMINOL/SPEEDI		NONE	DI 4417	000000	011400040		00 0-4 00		400	400		400			505	NIV.00077070	h. EANLIAD	
2		DRY	NON	NONE		SPRING GROVE		INCIN	26-Oct-99		100	429 10,673		429 10,673		-	565		CLEAN HAR	
		PTSI RESIDUE WASTE THERMINOL	NON NON			SPRING GROVE SPRING GROVE		INCIN	26-Oct-99 26-Oct-99		850 100	535		535			565 565		CLEAN HAR	
ļ		WASTE HEPTANES	HAZ			SPRING GROVE		INCIN	26-Oct-99		50	235	235	235		 	566		CLEAN HAR	
		WASTE HEXANES	HAZ	 		SPRING GROVE		INCIN	26-Oct-99		50	280	280	280		 	566		CLEAN HAR	- 111-1
		WASTE METHANOL	HAZ			SPRING GROVE		INCIN	26-Oct-99	1	50	185	185	185		 	566		CLEAN HAR	
		WASTE ETHYL														† · · · · · · · · · · · · · · · · · · ·				a
.	4 1	ACETATE	HAZ	U112, D001	PILOT LAB	CLEAN HAR	CH2941	INCIN	26-Oct-99		50	320	320	320			567	IL8496521	CLEAN HAR	
		LAB NON-REACTIVE		F002, F003, F005,																
<i>'</i>		LIQUID		D001, D021, D022	LAB	CLEAN HAR	CH124269	INCIN	26-Oct-99		50	455	455	455			567	IL8496521	CLEAN HAR	
12		MCB/PNBC	HAZ	· · · · · · · · · · · · · · · · · · ·	PNBC	CLEAN HAR	CH124412	INCIN	26-Oct-99		600	5,294	5,294	5,294			567	IL8496521	CLEAN HAR	
10		MCB/WATER		F002, D001, D021	PNBC	CLEAN HAR	CH124271	INCIN	26-Oct-99		500	5,172	5,172	5,172			567	IL8496521	CLEAN HAR	
1 2		CALGON FRP UNIT	HAZ	F002	HEGCL	CALGON	2542R	RECYCLE	17-Nov-99			4,000	4,000	0		4,000	568	PA9199831	HAZMAT	
<u> </u>			HAZ	F002, F005	PLANT	CALGON	2543R	RECYCLE	17-Nov-99	\$361		2,000	2,000	0		2,000	568	PA9199831	HAZMAT	
		SAFTEY KLEAN	NON	NONE		CAPTEV CLEAN		DE0/01 E	10 0 00		25	490	_			400	ECO	NIVEO04E5054	ETV ICI EAR!	
 		SOLVENT WASTE SOLID	NON HAZ	NONE F005, F002	·	SAFTEY CLEAN CALGON	2543R	RECYCLE RECYCLE			25	188 10,000	10,000	0		188 10,000	569 570	NYD98155654 PA9199816	FTY KLEAN HAZMAT	
-	-	WAS IE SULID	ПАД	F005, F002 F002, F003, F005,	-	CALGUN	2543K	RECICLE	ZZ-Dec-99			10,000	10,000	+		10,000	3/0	LV9199010	HAZIVIA I	
1 10	1	LAB SOLID WASTE	HAZ	D021, D022		ENSCO	WMDS658564	INCIN	27-Dec-99			3,043	3,043	3,043			571	AR1033130	DART	
		SPEEDY DRY WOIL &	11/742-	5021, 5022		LINGOO	V VIVID-0000004	HAOHA	21 060-00			0,040	0,040	0,070		 	<u> </u>	711100100	D/ ((1)	
		MCB	HAZ	F002, DO21		ENSCO	WMDS1309238	INCIN	27-Dec-99			400	400	400			571	AR1033130	DART	
				D001, FOO2,									· • •	 						
8	3	USED ACETONE	HAZ			ENSCO	WMDS658586	INCIN	27-Dec-99			2,587	2,587	2,587			571	AR1033130	DART	
•				•		. '				. '		•	•				'		•	

ev	31-Oct-12																		
	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
TY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
									\$	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	1 1	
4	MCB/DEA WATER	HAZ	D001, F002, D021		ENSCO		INCIN	27-Dec-99			1,660	1,660	1,660			571	AR1033130	DART	
5	OILI W/ MCB	HAZ	D001, F002, D021		ENSCO	WMDS664293	INCIN	27-Dec-99			2,158	2,158	2,158			572	AR1033131	DART	-
	LAB NON REACTIVE		D001, F002, F003,																
2	LIQUIDS	HA7	F005, D021, D022		ENSCO	WMDS658565	INCIN	27-Dec-99			763	763	763			572	AR1033131	DART	
4	THF & HEPTANE	HAZ			ENSCO	WMDS1309244	INCIN	27-Dec-99			330	330	330		+ +	572	AR1033131	DART	
	THE/HEPTANE/HEXAN	1174	D001	•	LINGOO	VIVIDO 1303244	HACHA	27-060-00			330	000	1 330			UIL	74(1000101	Driiti	
1	E	HAZ	D001, D002		ENSCO	WMDS1309252	INCIN	27-Dec-99			337	337	337			572	AR1033131	DART	
\neg	HEGCL																		
2	STILLBOTTOMS	HAZ	D001, F005		ENSCO	WMDS1309269	INCIN	27-Dec-99			673	673	673			573	AR1033132	DART	
1	DIOXANE	HAZ	U108, D001		ENSCO	WMDS1309271	INCIN	27-Dec-99			495	495	495			573	AR1033132	DART	
	ORGANIC LIQUID																		
3	WASTE	HAZ	D001, F002		ENSCO	WMDS1309275	INCIN	27-Dec-99	<u></u>		1,140	1,140	1,140			573	AR1033132	DART	
	ORGANIC LIQUID																		
4	WASTE	HAZ	D001, F002		ENSCO	WMDS1309275	INCIN	27-Dec-99			1,380	1,380	1,380			573	AR1033132	DART	
2	TOLUENE WASTE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	27-Dec-99			642	642	642			574	AR1033133	DART	
	THF/HEPTANE/HEXAN																		
_1 _	E	HAZ	D001, D002		ENSCO	WMDS1309252	INCIN	27-Dec-99			335	335	335			574	AR1033133	DART	
	VENTSORB PL	NON	NONE		ENSCO	WMDS1309273	INCIN	27-Dec-99			260	260	260			575	ARD069748192	DART	
	PTSI RESIDUE	NON	NONE		ENSCO	225079	INCIN	27-Dec-99	_		8,202	8,202	8,202			576	ARD069748192	DART	
_	WATE/DIOXANE	NON	NONE		ENSCO	1309227	INCIN	27-Dec-99			1,322	1,322	1,322			576	ARD069748192	DART	
	FILTERS	NON	NONE		ENSCO	709744	INCIN	27-Dec-99			1,571	1,571	1,571	 		576	ARD069748192	DART	
	PNBC	NON	NONE		ENSCO	658566	INCIN	27-Dec-99			629	629	629		1	576	ARD069748192	DART	
+	INDUSTRIAL SOIL	NON	NONE		MODERN DISP			28-Dec-99			1,154,280					577	N.	ODERN DISF	
\dashv															1				
+				•							-		1	· · · · · · · · · · · · · · · · · · ·	 				
												*****		•					
															<u> </u>			CLEAN HAB	
	2ND QUARTER														+ +			CLEAN HAR	
	SUMMARY										951.83	893.56	160.29	0.00	752.14				
-											007.00	555.55	100.20	0.00	1			 	

1-Jan-99	Acct Period	SHIP DATE	Man Doc#	WASTE DESCRIPTION	PROCESS	COST	January Totals	•
11-Jan-99		1-Jan-99	481	NON-HAZ SAFETY KLEEN SOLVENT	PLANT	\$350		
13-Jan-99		6-Jan-99	476	WASTE ETHYL ACETATE	TIC-C			\$990
15-Jan-99		11-Jan-99	477	WASTE ETHYL ACETATE	TIC-C	\$0		
18-Jan-99		13-Jan-99	505	WASTE ETHYL ACETATE	TIC-C	-	PTSI	\$660
20.Jan-99		15-Jan-99	478	WASTE ETHYL ACETATE	TIC-C	•		
21-Jan-99		18-Jan-99	479	WASTE ETHYL ACETATE	TIC-C	•		\$7,844
21-Jan-99		20-Jan-99	480	WASTE ETHYL ACETATE	TIC-C	•		
21-Jan-99 482		21-Jan-99	483	NON-HAZ FLESOL PLASTICIZER	PLANT			
21-Jan-99	jan	21-Jan-99	483	PTSI RESIDUE	PTSI	\$660		
JAN 21-Jan-99 483	-	21-Jan-99	482	FCL RESIDUE	2-FCL	•		
21-Jan-99	jan	21-Jan-99	483	NON-HAZ FILTERS	PLANT			
21-Jan-99	•	21-Jan-99	483	NON-HAZ AC SAMPLES	PLANT	·	total	\$9,494
29-Jan-99		21-Jan-99	482	LAB SOLID WASTE	LAB			
Jan 30-Jan-99 484 DEA WATER HEGCL \$7,844 TICC		21-Jan-99	482	SPILL CLEANUP	PLANT	\$1,320		<u>ls</u>
1-Feb-99		29-Jan-99	485	WASTE ETHYL ACETATE	TIC-C	\$0		
2-Feb-99	jan	30-Jan-99	484	DEA WATER	HEGCL	\$7,844		
3-Feb-99		1-Feb-99	486	WASTE ETHYL ACETATE		-		
16-Feb-99 489 CALGON CYCLESORB UNITS PLANT 20%ODD, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%ECP, 15%HEGCL, 12%PTSI, 3%TICC, 3%E		2-Feb-99	487	WASTE ETHYL ACETATE	TIC-C			
18-Feb-99		3-Feb-99	488	WASTE ETHYL ACETATE	TIC-C	•		
18-Feb-99		16-Feb-99	489	CALGON CYCLESORB UNITS	PLANT	\$770	2-FCL	
18-Feb-99 490 MIXED SOLVENTS 18%PLANT \$8,362 PNBC 24-Feb-99 491 WASTE ETHYL ACETATE TIC-C \$0 BCF 26-Feb-99 492 MIXED SOLVENTS 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 15%HEGCL, 12%PTSI, 12%HEGCL, 12%PTSI, 12%HEGCL, 12%PTSI, 12%HEGCL, 12%PTSI, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEGCL, 12%HEG]			20%ODO, 2%PNBC, 3%LAB, 24%2MESCF,			
24-Feb-99		(15%HEGCL, 12%PTSI, 3%TICC, 3%BCF,			
20%ODO, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%EC, 12%HEGCL,		18-Feb-99	490	MIXED SOLVENTS	18%PLANT	\$8,362		
26-Feb-99 492 MIXED SOLVENTS 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 18%PLANT \$4,342 ODO 18%PLANT \$4,342 ODO 18%PLANT \$4,342 ODO 18%PLANT \$4,342 ODO 18%PLANT \$4,342 ODO 18%PLANT \$4,342 ODO 18%PLANT \$2.00 ODO 18%PLANT \$2.		24-Feb-99	491	WASTE ETHYL ACETATE	TIC-C	\$0	BCF	
26-Feb-99 492 MIXED SOLVENTS 18%PLANT \$4,342 ODO 9-Mar-99 493 LAB SOLID WASTE LAB -\$3,767 2-MESCF 9-Mar-99 493 COD VIALS LAB \$225 LAB 30-Mar-99 496 LAB NON-REACTIVE LIQUID LAB \$213 30-Mar-99 497 LAB REACTIVE LIQUID LAB \$368 30-Mar-99 497 LAB SOLID WASTE LAB \$576 30-Mar-99 497 SPEEDI DRY/SAMPLES/CLEANUP PLANT \$288 30-Mar-99 495 SPENT DMF/WATER ACL \$608		i i						
9-Mar-99		1						
9-Mar-99		26-Feb-99	492	MIXED SOLVENTS				
30-Mar-99 496 LAB NON-REACTIVE LIQUID LAB \$213 30-Mar-99 497 LAB REACTIVE LIQUID LAB \$368 30-Mar-99 497 LAB SOLID WASTE LAB \$576 30-Mar-99 497 SPEEDI DRY/SAMPLES/CLEANUP PLANT \$288 30-Mar-99 495 SPENT DMF/WATER ACL \$608		9-Mar-99	493	LAB SOLID WASTE				
30-Mar-99		9-Mar-99	493	i		•	LAB	
30-Mar-99		30-Mar-99	496	LAB NON-REACTIVE LIQUID				
30-Mar-99 497 SPEEDI DRY/SAMPLES/CLEANUP PLANT \$288		30-Mar-99	497	LAB REACTIVE LIQUID	i i	•		
30-Mar-99 495 SPENT DMF/WATER ACL \$608		30-Mar-99	497	LAB SOLID WASTE				
50 Mai 50 10 2.11 2.11 1.11 1.11 1.11 1.11 1.11		30-Mar-99	497	SPEEDI DRY/SAMPLES/CLEANUP		·		
30-Mar-99 496 WASTE OIL W/MCB PTSI \$213		30-Mar-99	495	SPENT DMF/WATER	f e	· ·		
		30-Mar-99	496	WASTE OIL W/MCB	PTSI	\$213		

Acct Period	SHIP DATE	Man Doc#	WASTE DESCRIPTION	PROCESS	COST January Totals
	30-Mar-99	494	CALGON FIBERGLASS UNIT	PLANT	\$385
	30-Mar-99	495	PTSI RESIDUE	PTSI	\$288
	30-Mar-99	494	CALGON SS CYCLESORB UNITS	PLANT	\$385
	30-Mar-99	495	WASTE FILTERS	PLANT	\$208
	5-Apr-99	498	TOLUENE/TEU/DEA/WATER	HEGCL	\$7,895
	6-Apr-99	506	NON-HAZ SAFETY KLEEN SOLVENT	PLANT	\$350
	9-Apr-99	499	NEUTRALIZED DMF	ACL	\$7,200
	13-Apr-99	503	LAB NON-REACTIVE LIQUID	LAB	\$172
	13-Apr-99	504	VANCHLOR GAS AND OIL	VANCHLOR	\$172
	13-Apr-99	503	ODO FILTERS	ODO	\$247
	13-Apr-99	503	MCB/DEA/WATER	2 PLANT 1 PNBC	\$484
	13-Apr-99	503	WATER/MCB	PTSI	\$516
	13-Apr-99	502	PTSI RESIDUE	PTSI	\$1,976
	13-Apr-99	502	SPENT CARBON SPILL	PLANT	\$741
	13-Apr-99	502	SPEEDI DRY SAMPLES/CLEANUP	PLANT.	\$1,482
	13-Apr-99	502	LAB SOLID WASTE	LAB	\$1,482
	13-Apr-99	501	ODO BAGS (ISOBUTYRIC ACID & HYDRAZIDE)	ODO	\$247
	13-Apr-99		SPEEDI DRY/SAMPLES/CLEANUP	PLANT	\$988
	13-Apr-99		MANHOLE SLUDGE	PLANT	\$741
	13-Apr-99		WASTE BRINE	PLANT	\$81
	13-Apr-99		WASTE FILTERS	PLANT	\$333
	1			3% PNBC, 35% HEGCL, 14% PTSI, 16%	
	27-Apr-99	507	MIXED SOLVENTS (TOLUENE, ACETONE)	PCF, 8% BCF, 24% PLANT	\$2,684
			LAB PACK TOXIC SOLIDS, ORGANIC (P-NITROPHENOL, 4-		
	28-Apr-99		CHLOROANILINE)	LAB	\$0
			LAB PACK CORROSIVE SOLIDS, TOXIC (IODINE		İ
	28-Apr-99		MONOCHLORIDE, CYANURIC ACID)	LAB	\$0
			LAB PACK CORROSIVE LIQUIDS, (THIONYL CHLORIDE,		
	28-Apr-99		ALLOYL CHLORIDE)	LAB	\$0
	20,10.00		LAB PACK ORGANIC PEROXIDE TYPE D, SOLID (DILAUROYL		1
	28-Apr-99		PEROXIDE, BENZOYL PEROXIDE)	LAB	\$0
	#REF!	#REF!	#REF!	#REF!	#REF!
	5-May-99		SPEEDI DRY SAMPLES/WASTE OIL	PLANT	\$2,388
	5-May-99		WASTE OIL WITH MCB	PNBC	\$166
	5-May-99		LAB SOLID WASTE	LAB	\$241
	1 3-iviay-33	311	TELID COLID AN IOLE	15.0	1 4=

Acct Period	SHIP DATE M	an Doc#	WASTE DESCRIPTION	PROCESS	COST January Totals
	5-May-99	511	CALGON VENT SORB WASTE DRUM	PLANT	\$482
	5-May-99	511	PTSI RESIDUE	PTSI	\$1,204
	5-May-99	512	TIC-C RAG LAYER	TIC-C	\$1,784
	5-May-99	512	COD WASTE VIALS	LAB	\$161
	5-May-99	512	SPEEDI DRY MCB/PCF	PCF	\$1,797
	5-May-99	512	DMF/WATER	ACL	\$792
	5-May-99	513	MCB/PCF	PCF	\$382
	5-May-99	513	LAB NON-REACTIVE LIQUID	LAB	\$175
	5-May-99	513	ACETONE, MCB, DEA	HEGCL	\$110
	1-Jun-99	514	VANCHLOR FERRIC CHLORIDE	VANCHLOR	\$4,312
	22-Jun-99	515	CALGON FIBERGLASS UNIT	PLANT	\$385
	22-Jun-99	515	CALGON SS UNIT	PLANT	\$385
	29-Jun-99	516	ACETONE, MCB, DEA	HEGCL	\$110
	29-Jun-99	516	SPEEDI DRY WITH MCB, PCF	PCF	\$457
	29-Jun-99	516	INSULATION WITH THERMINOL	PLANT	\$2,915
	29-Jun-99	517	CALGON VENTSORB DRUM	PLANT	\$241
	29-Jun-99		PTSI RESIDUE	PTSI	\$2,408
	29-Jun-99	517	SPEEDI DRY/ PLANT SAMPLES/OIL	PLANT	\$482
	29-Jun-99	518	WASTE FILTERS	PLANT	\$963
	29-Jun-99	519	OIL WITH MCB	PNBC	\$663
	29-Jun-99	519	COD WASTE VIALS	LAB	\$80
	29-Jun-99	519	LAB SOLID WASTE	LAB	\$241
	29-Jun-99		LAB NON-REACTIVE LIQUID	LAB	\$166
	29-Jun-99		MCB/PNBC	PNBC	\$2,117
	1-Jul-99		SAFETY KLEEN SOLVENT	PLANT	\$350
	7-Jul-99	1	WASTE ETHYL ACETATE	TIC-C	\$0
	9-Jul-99		WASTE ETHYL ACETATE	TIC-C	\$0
	10-Jul-99		WASTE ETHYL ACETATE	TIC-C	\$0
	12-Jul-99		WASTE ETHYL ACETATE	TIC-C	\$0
	14-Jul-99	1	WASTE ETHYL ACETATE	TIC-C	\$0
	15-Jul-99	l l	WASTE ETHYL ACETATE	TIC-C	\$0
	20-Jul-99	528	CALGON SS CYCLESORB UNIT	PLANT	\$770
	0-Jan-00	0	0		\$0
	0-Jan-00		2ND QUARTER SUMMARY		\$0
	#REF!	0	0	1	\$0

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WASTE DESCRIPTION

PROCESS

COST

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1999 waste tax calculations - 4th quarter 1999 Rev

	WASTE	HAZ/		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE
QTY	DESCRIPTION	NON	TSDF	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST
1	WASTE ETHYL ACETATE	HAZ	GAGE	RECYCLE	4-Oct-99	5250	39,375	39,375			39,375	560	MI7744213
6	CALGON FRP UNIT	HAZ	CALGON	RECYCLE	17-Nov-99		4,000	4,000	0		4,000	568	PA9199831
1	WASTE TETRAHYDROFURAN	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	180	180	180			564	IL8496522
5	OIL W/MCB	HAZ	CLEAN HAR	INCIN	26-Oct-99	300	2,615	2,615	2,615			564	IL8496522
1	HAZ WASTE FILTERS	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	55	55	55			562	MAK250837
3	VENTSORB WASTE	HAZ	CLEAN HAR	INCIN	26-Oct-99	150	1,103	1,103	1,103			563	CTF0891519
	LAB SOLID WASTE/SPILL CLEAN-												
1	UP	HAZ	CLEAN HAR	INCIN	26-Oct-99	300	2,276	2,276	2,276			564	IL8496522
6	WASTE ETHYL ACETATE	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	320	320	320			567	IL8496521
1	METHYLENE CHLORIDE	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	400	400	400			562	MAK250837
1	COD WASTE VIALS	HAZ	CLEAN HAR	TREAT	26-Oct-99	2	10	10			10	564	IL8496522
6	WASTE SOLID	HAZ	CALGON	RECYCLE	22-Dec-99		10,000	10,000	0		10,000	570	PA9199816
2	LAB NON-REACTIVE LIQUID	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	455	455	455			567	IL8496521
	MCB/WATER	HAZ	CLEAN HAR	INCIN	26-Oct-99	500	5,172	5,172	5,172			567	IL8496521
	MCB/PNBC	HAZ	CLEAN HAR	INCIN	26-Oct-99	600	5,294	5,294	5,294			567	IL8496521
1	WASTE METHANOL	HAZ	SPRING GROVE	INCIN	26-Oct-99	50	185	185	185			566	NYG2277261
1	ACETONE/MCB/DEA	HAZ	CLEAN HAR	INCIN	26-Oct-99	250	1,775	1,775	1,775	,		562	MAK250837
1	WASTE HEXANES	HAZ	SPRING GROVE	INCIN	26-Oct-99	50	280	280	280			566	NYG2277261
1	SPEEDY DRY W/OIL & MCB	HAZ	ENSCO	INCIN	27-Dec-99		400	400	400			571	AR1033130
1	MCB/DEA WATER	HAZ	ENSCO	INCIN	27-Dec-99		1,660	1,660	1,660			571	AR1033130
12	SS CYCLESORB UNIT	HAZ	CALGON	RECYCLE	17-Nov-99		2,000	2,000	0		2,000	568	PA9199831
10	TOLUENE WASTE	HAZ	ENSCO	INCIN	27-Dec-99		642	642	642			574	AR1033133
2	THF/HEPTANE/HEXANE	HAZ	ENSCO	INCIN	27-Dec-99		335	335	335			574	AR1033133
1	HEGCL STILLBOTTOMS	HAZ	ENSCO	INCIN	27-Dec-99		673	673	673			573	AR1033132
1	LAB SOLID WASTE	HAZ	ENSCO	INCIN	27-Dec-99		3,043	3,043	3,043			571	AR1033130
2	WASTE HEPTANES	HAZ	SPRING GROVE	INCIN	26-Oct-99	50	235	235	235			566	NYG2277261
10	USED ACETONE	HAZ	ENSCO	INCIN	27-Dec-99		2,587	2,587	2,587			571	AR1033130
1	OILI W/ MCB	HAZ	ENSCO	INCIN	27-Dec-99		2,158	2,158	2,158			572	AR1033131
8	ORGANIC LIQUID WASTE	HAZ	ENSCO	INCIN	27-Dec-99		1,380	1,380	1,380			573	AR1033132
4	LAB NON REACTIVE LIQUIDS	HAZ	ENSCO	INCIN	27-Dec-99		763	763	763			572	AR1033131
5	THF & HEPTANE	HAZ	ENSCO	INCIN	27-Dec-99		330	330	330	,		572	AR1033131
2	THE/HEPTANE/HEXANE	HAZ	ENSCO	INCIN	27-Dec-99		337	337	337			572	AR1033131
1	ORGANIC LIQUID WASTE	HAZ	ENSCO	INCIN	27-Dec-99	-	1,140	1,140	1,140	. 1.		573	AR1033132
1	DIOXANE	HAZ	ENSCO	INCIN	27-Dec-99		495	495	495			573	AR1033132
	TANA INANERATION								18.14		27.69		

TONS INCINERATION18.14TONS RECYCLY / RECOVERY27.69TOTAL TONS 4TH QTR45.84\$\$\$ INCINERATION\$225.60

TY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
	COMBUSTIBLE LIQUID	NON		ACL	ROSS	WPS41964	INCIN	14-Jan-00		3072	23,040			0	0	578	NYB5588118	ROSS	· · · · · · · · · · · · · · · · · · ·
1	RQ WASTE (CAUSTIC)	HAZ	D002	ACL	CECOS	BB7039	TREATED			4622	38,547	38,547	 		 	579	NYG2284344	HAZMAT	
	THE TWICTE (CHOOTIC)	''' \-	F002, F003, F005,		CLCCG	BB1039	TREATED	3-1-60-00		4022	30,047	30,341	 -			318	111 02204344	TIAZIVIAT	
6	RQ HAZ WST SOLID	HAZ	D021, D022	Lab	ENSCO	65864	INCIN	7-Feb-00		NA	1,731	1,731	1,731	0	0	580	AR1033229	DART	
1	RQ HAZ WST SOLID	HAZ	F002, D021	PTSI	ENSCO	1309238	INCIN	7-Feb-00		NA	400	400	400	0	0	580	AR1033229	DART	
15	WST LQ 2 PROPANOL	HAZ	D001, F002	Integra	ENSCO	1309275	INCIN	7-Feb-00		NA.	5,235	5,235	5,235	0	0	580	AR1033229	DART	
	WST LQ ACETONE		D001, F002, F003,		211000	1000270	1110111	1 1 02 00		117	0,200	0,200	0,200		 		ARTIOCOLLO	2,44	
12	мсв	HAZ	D021	PTSI	ENSCO	658586	INCIN	7-Feb-00		NΑ	4,490	4,490	4,490	0	1 0 1	580	AR1033229	DART	
	WST LQ									1.47	1,100	1,100	1,100				7.441000220		
4	CHLORBENZENE/TRIM	HAZ	D001, F002, D021	PTSI	ENSCO	658591	INCIN	7-Feb-00		NA	1,573	1573	1,573	0	0	581	AR1033231	DART	
-	WST LQ FUEL OIL/MCB				ENSCO	664293	INCIN	7-Feb-00		NA	1,284	1284	1,284	0	0 1	581	AR1033231	DART	
	WST LQ PROPARGYL			1	211000	001200	- IIIOIII	7 1 02 00		1171	1,201	1201	1,201		 		74(1000201	1 5,	
	ALCOHOL	HAZ	D001	PNBC	ENSCO	1309280	INCIN	7-Feb-00		NA	11,600	11600	11,600	0	o	581	AR1033231	DART	
2	WST LQ THF/HCL	HAZ	D001, D002	Pilot Lab	ENSCO	1309252	INCIN	7-Feb-00		NA NA	427	427	427	0	0	581	AR1033231	DART	
	TVOTER TITITIOE	10/12	D001, D002	I IIUL LAD	LNOCO	1309232	IIVOIIV	7-1 eb-00		IVA	421	421	427		 	301	AN 1033231	DANT	
- .	WST LQ]]	D001, F002, F003,			1]		1 1			1 1	
1			F005, D021, D022	DOD Lab	ENSCO	050505	INICINI	7-Feb-00		NI A	400	400	400	0	,	E00	AD4022022	L DART	
4	WST LQ	HAZ	F003, D021, D022			658565	INCIN			NA NA	400	400	400	0	0	582	AR1033832	DART	
-	WSTEQ	naz		Integra	ENSCO	1309278	INCIN	7-Feb-00		NA	1,796	1796	1,796	0	0	582	AR1033832	DART	
2	WET COLID		D003, D021,	ا برم میا	FNOOO					***				_	1 .	=00	45466666		
-4	WST SOLID	HAZ	F002, F003, F005,	VC Plant	ENSCO_	1309243	INCIN	7-Feb-00		NA	703	703	703	00	0	582	AR1033832	DART	
	TOXIC SOLIDS														l I				
	ORGANIC/PCF	NON		PNBC	ENSCO	1309279	INCIN	7-Feb-00		NA	300	0	300	0	0	583	NYD002116192	DART	-
_	AVENOL/MACOL/H20	NON		AVANEL	ENSCO	1309281	INCIN	7-Feb-00		NA	800	0	800	0	0	584	NYD002116192	DART	
	SPEEDI DRI / OIL	NON		PTSI	ENSCO	1309242	INCIN	7-Feb-00		NA	652	0	652	0	0	584	NYD002116192	DART	
	WATER / DIOXANE	NON		Pilot Lab	ENSCO	1309227	INCIN	7-Feb-00		NA	831	0	831	0	0	584	NYD002116192	DART	·
	PSTI RESIDUE	NON		PTSI	ENSCO	131168		7-Feb-00		NA_	1,848	0	1,848	0	0	584	NYD002116192	DART	
	WST SOLID	HAZ	F005, F002	Effluent	CALGON	CAN2543R		14-Feb-00		NA	10,000	10,000	10,000	0	0_	585	PAX9199750	HAZMAT	
1	WST LQ	HAZ	D002		CECOS	12342	TREATED	9-Feb-00		2500	20,850	20,850	0	20,850	0	586	NYD002116192	HAZMAT	
1	WASTE NITRIC ACID	HAZ	D002		CWM SVC	CP0885	TREATED	23-Feb-00		NA	434	434	0	434	0_	587	NYG2285145	HAZMAT	
	WASTE CAUSTIC																		
1	LIQUIDS	HAZ	D002	}	CWM SVC	BY1701	TREATED	23-Feb-00	- 1	NA	472	472	0	472	l o	587	NYG2285145	HAZMAT	
1	WASTE FLAM LIQUID	HAZ	D001, D003	ACL	ROSS	WPS53054	INCIN	25-Feb-00		3409	25,568	25,568	3,409	0	0	588	NYB5588127	ROSS	
6	WASTE SOLID	HAZ	F002, F003, F005	Lab	ENSCO	WMDS658564	INCIN	6-Mar-00		NA	2,112	2,112	2,112	0	0	589	AR1123221	DART	
1	WASTE TOLUENE	HAZ	D001, F005	HEGCL	ENSCO	WMDS749870	INCIN	6-Mar-00		NA	294	294	294	0	0	589	AR1123221	DART	
12	WASTE LIQUID	HAZ		R&D Lab	ENSCO	WMDS1309275	INCIN	6-Mar-00		NA	4.057	4,057	4,057	0	0	589	AR1123221	DART	
			D001, F002, D021		ENSCO	WMDS664293	INCIN	6-Mar-00		NA	473	473	473	0	0	589	AR1123221	DART	
3	WASTE FILTERS	HAZ	F002	Plant		WMDS1309278	INCIN	6-Mar-00		NA NA	1,237	1,237	1,237	0	0	590	AR1123219	DART	
3	AQUEOUS LIQUID		D003, D021, F002		ENSCO	WMDS1309273	INCIN	6-Mar-00		NA NA	1,431	1,431	1,431	0	0	590	AR1123219	DART	
	LAB LIQUIDS		D001, F002, F003		ENSCO	WMDS658565	INCIN	6-Mar-00		NA NA	544	544	544	0	0	590	AR1123219	DART	
6	WASTE LIQUID		D001, F002, F003	Lab	ENSCO	WMDS658586	INCIN	6-Mar-00		NA NA	1,913	1,913	1,913	0	0	591	AR1123222	DART	
1	USED DMF	NON	2001,1 002,1 000	ACL	ENSCO	WMDS658592	INCIN	6-Mar-00		NA NA	7,862	0	7,862	0	0	592	ANTIZOZZZ	DART	
	SPEED DRI / OIL	NON		- /IOL	ENSCO		INCIN	6-Mar-00	-	NA NA	3,837	0	3,837	0	0	592		DART	
\dashv	I LED DITITOLE	NON			ENSCO	WMDS1309242	INCIN	0-Mar-00		-NA	3,037		3,037	<u> </u>		592		DARI	· ·
	DTOL DECIDLE	.,			_,,,,,,					<u>,</u>		_		_	_				
-		NON		PTSI	ENSCO	WMDS225079	INCIN	6-Mar-00		NA	3,776	0	3,776	0	0	592		DART	
		NON			ENSCO	WMDS658568	INCIN	6-Mar-00		NA	844	0	844	0	0	592		DART	
+		NON		Pilot Lab		WMDS1309273	INCIN	6-Mar-00		NA	280	0	280	0	0	593		DART	
\perp		NON				WMDS1318794	INCIN	6-Mar-00		NA NA	2,763	0	2,763	0	0	593		DART	
	WASTE FLAM LIQUID	HAZ	F005		CLEAN HARBOR	CH4592B	TREATED	13-Mar-00		4300	32,250	32,250		0	0	594		CLN HARBOR	
10	WASTE MCB/DEA		0001, F002, D021			WMDS1309246	INCIN	7-Apr-00	I	NA	3,923	3,923	3,923	0	0	595	AR1123194	DART	
					ENSCO	WMDS664293	INCIN	7-Apr-00	l`	NA	800	800	800	0	0	595	AR1123194	DART	
			0001, F002, D021		ENSCO	WMDS664293	INCIN	7-Apr-00		NA	433	433	433	0	0	595	AR1123194	DART	
	WASTE LAB SOLID	HAZ	F002, F003, F005	R&D Lab	ENSCO	WMDS658564	INCIN	7-Apr-00		NA	2,067	2,067	2,067	0	0	595	AR1123194	DART	
	WASTE LAB NON	10	0001, F002, F003,	ľ		1	1	1	1						1				
1	REACTIVE		F005, D021, D022	R&D Lab	ENSCO	WMDS658565	INCIN	7-Apr-00		NA	474	474	474	0	0	596	AR1123197	DART	
			D003, D021,																···
- 1	WASTE FILTERS		F002, F003, F005		ENSCO	WMDS1309243	INCIN	7-Apr-00		NA	969	969	969	o	0	596	AR1123197	DART	

Rev	17-Nov-00																		
	WASTE	HAZ	EPA	PROC		APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON		GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
٠.,	DESCRIPTION	INON	OODES	GLI	1301	CODE	METHOD	DAIL		1	1	1	1 '''		l i		NUM	HAULER	CATEGORI
_	WASTE VENTOODS	1107	F000 B004		- FN000		110111		\$	gals	lbs	lbs	Ibs	lbs	Ibs	NUM		DADT	
3	WASTE VENTSORB	HAZ	F002, D021	 	ENSCO	WMDS1309247	INCIN	7-Apr-00		NA	858	858	858	0	0	596	AR1123197	DART	
21	WASTE TOLUENE	HAZ			ENSCO	WMDS749870	INCIN	7-Apr-00		NA	9,194	9,194	9,194	0	0	596	AR1123197	DART	
1 1	WASTE MCB/WATER		D001, F002, D021		ENSCO	WMDS658591	INCIN	7-Apr-00		NA	444	444	444	0	0	597	AR1123198	DART	
1	WASTE THF, HEP/HEX	HAZ		Pilot Lat		WMDS1309252	INCIN	7-Apr-00		NA	425	425	425	00	0	597	AR1123198	DART	
3	WASTE THF, HEP/HEX	HAZ		Pilot Lat	ENSCO_	WMDS1309252	INCIN	7-Apr-00		NA	1,082	1,082	1,082	0	0	597	AR1123198	DART	
ļ		1	D001, F002, F003		1)	1 .		1]]		1 }			1	
1	WASTE ACETONE	HAZ	D021	Plant	ENSCO	WMDS1309255	INCIN	7-Apr-00		NA	417	417	417	0	0	597	AR1123198	DART	
5	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	7-Apr-00		NA	3,213	0	3,213	0	0	598			
3	WATER/DIOXANE	NON		Pilot Lat	ENSCO	WMDS1309227	INCIN	7-Apr-00		NA	1,400	0	1,400	0	0	598			
1	SPEEDI-DRI/OIL	NON			ENSCO	WMDS1309242	INCIN	7-Apr-00		NA	639	0	639	0	0	598			
4	CARBON CATALYST	NON		CBC	ENSCO	WMDS1318794	INCIN	7-Apr-00		NA	1,465	0	1,465	0	0	598		T	***
9	SOIL/STONE/DEBRIS	NON		+	ENSCO	WMDS1318815	-	7-Apr-00		NA	6,345	0	6,345	0	0	599			· · · · · · · · · · · · · · · · · · ·
17	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	7-Apr-00		NA NA	6,800	0	6,800	0	0	599			
2	WASTE SOLID	HAZ	F005, F002	1 AGE	CALGON CARBON		TREATED	10-Apr-00		NA NA	9,000	9,000		9,000		600	PA9199761	HAZMAT	·
2													0		0				
27	WASTE SLUDGE		F002, F005, D021		ENSCO	WMDS1309265	INCIN	5-May-00		NA	19,148	19,148	19,148	0	0	601	AR1123165	DART	
1	WASTE PTSI	HAZ		PTSI	ENSCO	WMDS1318824	INCIN	5-May-00		NA	234	234	234	0	0	602	AR1123167	DART	
4	WASTE FILTERS	HAZ		<u> </u>	ENSCO	WMDS1309247	INCIN	5-May-00		NA	1,062	1,062	1,062	0	0	602	AR1123167	DART	
1	VENTSORB WASTE		D003, D021, F002		ENSCO	WMDS1309243	INCIN	5-May-00		NA	212	212	212	0	0	602	AR1123167	DART	
6	LAB SOLID WASTE	HAZ	F002, F003, F005	R&D Lat	ENSCO	WMDS658564	INCIN	5-May-00		NA	1,830	1,830	1,830	0	0	602	AR1123167	DART	
1	MCB AND WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	5-May-00		NA	532	532	532	0	0	603	AR1123168	DART	
1	LAB NON REACTIVE		D001, F002, F003			WMDS658565	INCIN	5-May-00		NA	465	465	465	0	0	603	AR1123168	DART	
5	WASTE METHANOL	HAZ		Pilot Lat		WMDS1309250	INCIN	5-May-00		NA NA	1,906	1,906	1,906	0	1 0	603	AR1123168	DART	
2	OIL WITH MCB		D001, F002, D021		ENSCO	WMDS664293	INCIN	5-May-00		NA NA	847	847	847	0	1 0	603	AR1123168	DART	
-		111/12	1 0001, 1 002, 0021	FISI	ENSCO	VVIVID-3004293	INCIN	3-1VIAY-00		IVA	047	047	047		1 0	003	AK1123100	DANI	
ام	ORGANINC LIQUID		D004 F000	D00 / .	5 11000	[]	13.10.13.1							_	_	004	404400400	DART	
1	WASTE	HAZ	D001, F002	R&D Lat	ENSCO	WMDS1309275	INCIN	5-May-00		NA ·	350	350	350	0	0	604	AR1123169	DART	
ì	SPEEDI-DRI																	1	
1	W/OIL/MCB	HAZ	F002, D021	PTSI	ENSCO	WMDS1309238	INCIN	5-May-00		NA	375	375	375	0	0	604	AR1123169	DART	
4	WATER SOFTENER	NON			ENSCO	WMDS1328074	INCIN	5-May-00		NA	1,431	0	1,431	0	0	605		DART	
12	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	5-May-00		NA	4,800	0	4,800	0	0	605		DART	
3	WATER/DIOXANE	NON		Pilot Lab		WMDS1309227	INCIN	5-May-00	***************************************	NA	3,727	0	3,727	0	0	605		DART	
В	SPENT CARBON CAT	NON		1	ENSCO	WMDS1318794	INCIN	5-May-00		NA	2,912	0	2,912	0	0	605		DART	
5	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	5-May-00		NA	3,080	0	3,080	0	1 ŏ 1	606		DART	
5 	AVANEL WASTE	NON		AVANEL	ENSCO		INCIN					·		0	0	606		DART	
				AVANEL		WMDS1309281		5-May-00		NA	773	0	773						
	WASTE OIL	NON	5000		ENSCO	WMDS658568	INCIN	5-May-00		NA	442	0	442	0	0	606	54545555	DART	
	CARBON REACTIVE	HAZ	F002				TREATED	15-May-00		NA	1,000	1,000	0	1000	0	607	PA9199853	HAZMAT	
3	CARBON REACTIVE	HAZ	F002, F005	Effluent	CALGON CARBON		TREATED	15-May-00		NA	6,000	6,000	0	6000	0	608	PA9199772	HAZMAT	
1	COMBUSTIBLE LIQUID	NON			SAFETY KLEEN	45860	RECYCLE	26-May-00		NA	174	174	0	0	174	609		SFTY KLEEN	
Γ			D003, D021,																
7	WASTE FILTERS	HAZ	F002, F003, F005		ENSCO	WMDS1309243	INCIN	16-Jun-00		NA	3,126	3,126	3,126	0	0	610	AR1123110	DART	
			F002, F003, F005,		<u></u>														
5	LAB SOLID WASTE	HAZ		R&D Lab	ENSCO	WMDS658564	INCIN	16-Jun-00	1	NA	1,906	1,906	1,906	0	1 0 1	610	AR1123110	DART	
7	ORGANIC LIQUID WST			R&D Lab		WMDS1309275		16-Jun-00		NA NA	2,187	2,187	2,187	0		610	AR1123110	DART	
2	AQUEOUS LIQUID WST			R&D Lab				16-Jun-00		NA NA	770	770	770			610	AR1123110 AR1123110	DART	
2	WASTE METHANOL			Pilot Lab		WMDS1309278								0					
-4		HAZ	D001, F003	Filot Lab	ENSCO	WMDS1309250	INCIN	16-Jun-00		NA	790	790	790	0	0	611	AR1123111	DART	
	VENTSORB CARBON													_					
4	WST	HAZ		<u> </u>		WMDS1309247	INCIN	16-Jun-00		NA	1075	1,075	1075	0	0	611	AR1123111	DART	
2	MCB AND WATER		D001, F002, D021		ENSCO	WMDS658591	INCIN	16-Jun-00		NA	985	985	985	0	0	611	AR1123111	DART	
			D001, F002, F003,																
5	USED ACETONE	HAZ	D021		ENSCO	WMDS658586	INCIN	16-Jun-00	ļ	NA	1879	1,879	1879	0	0	611	AR1123111	DART	
1	OIL W/MCB	HAZ	D001, F002, D012	PTSI	ENSCO	WMDS664293	INCIN	16-Jun-00		NA	448	448	448	0	0	612	AR1123112	DART	
1	AQUEOUS TANK SLUDO	HAZ	F002, F005, D021		ENSCO	WMDS1309265	INCIN	16-Jun-00		NA	382	382	382	0	0	612	AR1123112	DART	
5	WASTE TOLUENE	HAZ			ENSCO	WMDS749870	INCIN	16-Jun-00		NA	2000	2,000	2000	Ō	0	612	AR1123112	DART	
1	THE/HEPTANE NEUT.	HAZ			ENSCO	WMDS1309244	INCIN	16-Jun-00	·	NA NA	490	490	490	0	1 0	612	AR1123112	DART	
- +			D001, F002, F003,	 		15010002-1		.0 341, 00					 		 +			-/ 11.1	
ا	LAR NON BEACTIVE LIC				ENCO		181011	46 1 00		AIA	400	400	400	_		640	AD4400440	DART	
	LAB NON REACTIVE LIG	TAZ			ENSCO	WMDS6585655	INCIN	16-Jun-00		NA	430	430	430	0	0	613	AR1123113	DART	
	1	l	D001, F002, F003,																
1	ACETONE/MCB & DEA		D021	<u></u>	ENSCO	WMDS1309255		16-Jun-00		NA	461	461	461	0	0	613	AR1123113	DART	
1	PAINT WASTE	HAZ				WMDS132818	INCIN	16-Jun-00		NA	542	542	542	0	0	613	AR1123113	DART	
2	THF/HEPTANE & HEXAN	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	16-Jun-00		NA	695	695	695	0	0	613	AR1123113	DART	

2000 HAZARDOUS WASTE REPORT WORKSHEET Rev 17-Nov-00

Rev	17-Nov-00																		
	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON		GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
								ļ	s	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
1	MCB/PNBC	HAZ	F002, D021, D001	PNBC	ENSCO	WMDS130924	INCIN	16-Jun-00	· ·	NA	463	463	463	0	0	614	AR1123114	DART	
8	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	16-Jun-00		NA	4750	0	4750	0	0	615		DART	
6	WATER/DIOXANE	NON		Pilot Lab		WMDS130922	INCIN	16-Jun-00		NA	2837	0	2839	0	0	615		DART	
26	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	16-Jun-00		NA	10972	0	10972	0	0	615		DART	
1	FILITERS	NON			ENSCO	WMDS658566	INCIN	16-Jun-00		NA	263	0	263	0	0	615		DART	
1	SPEEDI DRI/OIL	NON			ENSCO	WMDS13092	INCIN	16-Jun-00		NA	352	0	352	0	0	616		DART	
1	ACID SPILL CLEANUP	NON			ENSCO	WMDS132818	INCIN	16-Jun-00		NA	555	0	555	0	0	616		DART	
2	WASTE SOLID	HAZ	F002, F005		CALGON CARBO	CAN2543R	TREATED	20-Jun-00		NA	11,200	11,200	0	11200	0	617	PA9199783	HAZMAT	
2	POH/WATER	HAZ	DO01		ENSCO	WMDS130928	INCIN	7-Jul-00		NA	836	836	836	0	0	618	AR1123089	DART	
3	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	7-Jul-00		NA	979	979	979	0	0	618	AR1123089	DART	
5	HEGCL STILLBOTTOMS		D001, F005	HEGCL	ENSCO	WMDS130926	INCIN	7-Jul-00		NA_	690	690	690	0	0	618	AR1123089	DART	
2	MCB/PNBC		F002, D021, D001	PNBC	ENSCO	WMDS130924	INCIN	7-Jul-00		NA	800	800	800	0	0	618	AR1123089	DART	
4	THF/HEPTANES/HEXAN		D001, D002		ENSCO	1309252	INCIN	7-Jul-00		NA	1,432	1,432	1432	0	0	618	AR1123089	DART	<u></u>
3	VENTSORB CARBON W		F002, D021		ENSCO	1309247	INCIN	7-Jul-00		NA	776	776	776	0	0	618	AR1123089	DART	
3	WASTE FILTERS		D003, D021. F002	<u> </u>	ENSCO	1309243	INCIN	7-Jul-00		NA	1,468	1,468	1468	0	0	618	AR1123089	DART	
1	OIL W/MCB		D001, F002, D021		ENSCO	664293	INCIN	7-Jul-00		NA_	405	405	405	0	0	618	AR1123089	DART	
1	THF/HEPTANE	HAZ	D001		ENSCO	1309244	INCIN	7-Jul-00		<u>NA</u>	428	428	428	0	0	618	AR1123089	DART	
1	TEU WASTE	HAZ	D001, F005		ENSCO	1328204	INCIN	7-Jul-00		NA	342	342	342	0	0	618	AR1123089	DART	
	1.45.00115.144.075		F002, F003, F005,	1	E11000		1210121	7			,,,	444	444			040	AD440000	DART	
1	LAB SOLID WASTE	HAZ	D021, D022		ENSCO	658564	INCIN	7-Jul-00		NA	141	141	141	0	0	618	AR1123089	DART	
			D004 F000 F000																
	LAB NON DEACTIVE M		D001, F002, F003,		ENISCO	050505	INICINI	7 1.100]	A I A	450	450	450	^		640	AD440000	DART	
1	LAB NON REACTIVE WS		F005, D021, D022		ENSCO	658565	INCIN	7-Jul-00		NA NA	456 247	456	456 247	0	0	618 619	AR1123089	DART DART	
1 2	VENT SORB PTSI RESIDUE	NON		<u> </u>	ENSCO ENSCO	WMDS130927 WMDS225079	INCIN	7-Jul-00 7-Jul-00		NA NA	1,827	0	1827	0	0	619		DART	
43	USED DMF	NON			ENSCO	WMDS658592	INCIN	7-Jul-00 7-Jul-00		NA NA	18,682	0	18682	0	0	619		DART	
43	MANHOLE SLUDGE	NON		1	ENSCO	WMDS1309245	INCIN	7-Jul-00 7-Jul-00		NA NA	2,800	0	2800	- 0	0	619		DART	
2	H20/DIOXANE	NON		<u> </u>	ENSCO	1309227	INCIN	7-Jul-00		NA NA	954	0	954	0	0	620		DART	
.4	SPENT CARBON	NON	* ***		ENSCO	1318794	INCIN	7-Jul-00		NA NA	1,466	0	1466	0	0	620		DART	
1	WASTE FLAMMABLE LIC		F005		ROSS	WPS53148	INCIN	14-Jul-00		NA NA	5,351	5,351	5351	0	0	621	NYB558742 5	ROSS	
1	WASTE FLAMMABLE LIC		F005	 	ROSS	WPS53148	INCIN	21-Jul-00		NA NA	40.460	40,460	40460	0	0	622	NYB5587407	1.000	
2	WASTE SOLID	HAZ	F002		CALGON CARBON		RECYCLE	20-Jul-00		NA NA	5,000	5,000	0	0	5000	623	NYB5565132	CALGON CARBON	
1	WASTE SOLID	HAZ	F002, F005		CALGON CARBON			20-Jul-00		NA	5,600	5,600	0	0	5600	623	NYB5565132	CALGON CARBON	
1	WASTE FLAMMABLE LIC		F005		ROSS	WPS53148	INCIN	28-Jul-00		5524	39,160			0	0	624	NYB5587488	ROSS	
1	TOLUENE/METHANOL		F003, F005, D001		CLEAN HARBORS		INCIN	3-Aug-00		4896	40,833			0	0	625	MDC0902236	CLEAN HARBORS	
1	TOLUENE/DEA		F005, D001, D002		ROSS	WPS52906	INCIN	4-Aug-00		5002	37,545			0	0	626	NYB5587497	ROSS	
1	METHONOL/TOLUENE	HAZ	F003, F005, D001		CLEAN HARBORS	CH1871628	INCIN	16-Aug-00		2913	21,865			0	0	627	MCD0902143	CLEAN HARBORS	
1	PETROLEUM NAP/LIQ	NON			SAFETY KLEEN	33916AP	INCIN	22-Aug-00		NA	26	26	26	0	0	628	NYD175773779	SFTY KLEEN	
2	THR/HEP/HEXANE	HAZ	D001, D002		ENSCO	WMDS1309252	INCIN	7-Sep-00		NA	786	786	786	0	0	629	AR1123023	DART	
			D003, D021,																
7	WASTE FILTERS	HAZ	F002, F003, F005		ENSCO	WMDS1309243	INCIN	7-Sep-00		NA_	3,329	3,329	3329	0	0	629	AR1123023	DART	
			F002, F003, F005,																
6	LAB SOLID_	HAZ			ENSCO	WMDS658564	INCIN	7-Sep-00		NA	2,047	2,047	2047	0	0	629	AR1123023	DART	
4	VENTSORB CARBON	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	7-Sep-00		NA	1,167	1,167	1167	0	0	629	AR1123023	DART	
.	1.40.1101110		D001, F002, F003,		E11000		1.1011	7.0				400	,	_	_	000	AD4400004		
1	LAB LIQUID		F005, D021, D022		ENSCO	WMDS658565	INCIN	7-Sep-00		NA NA	466	466	466	0	0	630	AR1123024	DART	
3	MCB/PNBC		F002, D021, D001	ļ	ENSCO	WMDS1309241	INCIN	7-Sep-00		NA NA	1,569	1,569	1569	0	0	630	AR1123024	DART	
1	OIL WITH MCB		D001, F002, D021	DTO	ENSCO	WMDS664293	INCIN	7-Sep-00		NA NA	508	508	508	0	0	630	AR1123024	DART	
6	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	7-Sep-00		NA NA	3,672	3,672	3672	0	0	631		DART	
4	SPENT CARBON	NON			ENSCO ENSCO	WMDS1318794	INCIN	7-Sep-00		NA NA	1,511	1,511	1511 538	0	0	631 631		DART	
1	ACID SPILL CLEANUP WASTE FILTERS	NON		 	ENSCO	WMDS1328187	INCIN	7-Sep-00		NA NA	538	538		0	0	631		DART	
3	WASTE FLAM LIQUID		F003, F005, D001		CLEAN HARBORS	WMDS658566	INCIN	7-Sep-00 8-Sep-00		3444	991 25,851	991	991	0	0	632	MDC0902171	FRANKS VACUUM	
2	WASTE SOLID	HAZ	F005, F005		CALGON CARBON		INCIN	11-Sep-00		NA	11,200	11,200	11200	0	0	633	PA9199820	HAZMAT	
·	WASTE FLAM LIQUID		F003, F005, D001		CLEAN HARBORS		INCIN	15-Sep-00		NA NA	22,760	22,760	22760	0	0	634	MCD0901519	CLEAN HARBORS	
1 1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HARBORS		TREATED	15-Sep-00 15-Sep-00		3102	25,871	22,700	22100	25871	0	635	MDC0727114	FRANKS VACUUM	
1			F003, F005, D001				INCIN	22-Sep-00		4700	39,198			0	0	636	MDC0727115	FRANKS VACUUM	
1	DIMETHYL FOR/LIQUID			ACL	ROSS	WPS41004	INCIN	27-Sep-00		2552	17,027		 	0	0	637	NYB558541	ROSS	
<u> </u>	TOWNE THE LONGINGOID	11/74		17.OF	11000	IANI OT 1004	1110111	-1-0ch-00		2002	17,047						11. 5000071	1	

TY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
	LICED ACCTONG		D001, F002, F003,			050500	1110111	0.0.1.00				4 400	4400						
4	USED ACETONE	HAZ	D021		ENSCO	658586	INCIN	2-Oct-00		NA NA	1,423	1,423	1423	0	0	638	AR1161008	DART	
2	WASTE TOLUENE	HAZ	D001, F005		ENSCO	749870	INCIN	2-Oct-00		NA NA	858	858	858	0	0	638	AR1161008	DART	
2	SPEDI W/OIL / MCB	HAZ	F002, D021		ENSCO	1309238	INCIN	2-Oct-00		NA	534	534	534	0	0	638	AR1161008	DART	
4	WASTE FILTERS		D003, D021, F002, F003, F005		ENSCO	1309243	INCIN	2-Oct-00		NA	2,351	2,351	2351	0	О	638	AR1161008	DART	
3	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022		ENSCO	658564	INCIN	2-Oct-00		NA	742	742	742	0	0	638	AR1161008	DART	
2	LAB NON REACTIVE	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	658565	INCIN	2-Oct-00		NA	1,023	1,023	1023	0	0	638	AR1161008	DART	
_1	VENTSORB CARBON	HAZ	F002, D021		ENSCO	1309247	INCIN	2-Oct-00		NA	277	277	277	0	0	638	AR1161008	DART	
19	WATER/DIOXANE	NON			ENSCO	1309227	INCIN	2-Oct-00		NA	9,041	9,041	9041	0	0	639		DART	
_1	MANHOLE SLUDGE	NON			ENSCO	1309245	INCIN	2-Oct-00		NA	868	868	868	0	0	639		DART	
4	WASTE OIL	NON			ENSCO	658568	INCIN	2-Oct-00		NA	1,564	1,564	1564	0	0	639		DART	
2	WASTE OIL	NON			ENSCO	658568	INCIN	2-Oct-00		NA	800	800	800	0	0	639		DART	
	PTSI RESIDUE	NON			ENSCO	225079	INCIN	2-Oct-00		NA	6,089	6,089	6089	0	0	640		DART	
5	FILITERS	NON			ENSCO	658566	INCIN	2-Oct-00		NA	1,611	1,611	1611	0	0	640		DART	
1	SPENT CARBON CAT	NON			ENSCO	1318794	INCIN	2-Oct-00		NA	250	250	250	0	0	640		DART	
1	METHONOL/TOLUENE		F003, F005, D001		CLEAN HARBORS		INCIN	4-Oct-00		2227	18,573			0	0	641	MDC0727117	FRANKS VACUUM	
1	METHONOL/TOLUENE	HAZ	F003, F005, D001		CLEAN HARBORS	CH187152B	INCIN	9-Oct-00		5100	42,534			0	0	642	MDC0727116	FRANKS VACUUM	
2	WASTE SOLID	HAZ	F005, F002, F0003	i	CLEAN HARBORS	CAN2543R	RECYCLE	10-Oct-00			11,200	11,200	0	0	11,200	643	PA9199794	CALGON CARBON	
1	METHANOL/TOLUENE	HAZ	F003, F005, D001		CLEAN HARBORS	CH187152B	INCIN	16-Oct-00		2000			2,000	0	0	644	MDC0727118	FRANKS VACUUM	
1	METHANOL/TOLUENE	HAZ	F003, F005, D001		CLEAN HARBORS	CHI187152B	INCIN	19-Oct-00		4069			4,069	0	0	645	MCD0727119	FRANKS VACUUM	
1	METHANOL/TOLUENE	HAZ	F003, F005, D001		CLEAN HARBORS	CHI187152B	INCIN	23-Oct-00		4355			4,355	0	0	646	MDC0727120	FRANKS VACUUM	
1	PCF/PROPARYL ALCH	HAZ	D001, D002, D003		ENSCO	WMDS1328263	INCIN	27-Oct-00		NA	400	400	400	0	0	647	AR1160973	DART TRUCKING	
5	HCL	HAZ	D002		ENSCO	WMDS1328156	INCIN	27-Oct-00		NA	1,835	1,835	1,835	0	0	647	AR1160973	DART TRUCKING	
1	ACETONE/HCL	HAZ	D001, D002, F003		ENSCO	WMDS1328242	INCIN	27-Oct-00		NA	400	400	400	0	0	647	AR1160973	DART TRUCKING	
3	MCB/PNBC		F002, D021, D001		ENSCO	WMDS1309241	INCIN	27-Oct-00		NA	1,575	1,575	1,575	0	0	647	AR1160973	DART TRUCKING	
1	SPEEDI DRI / OIL	NON	, <u>, , , , , , , , , , , , , , , , , , </u>		ENSCO	WMDS1309242	INCIN	27-Oct-00		NA	121	0	121	0	0	648		DART	
4	WASTE OIL	NON			ENSCO	WMDS658568	INCIN	27-Oct-00		NA	2,118	0	2,118	0	0	648		DART	
8	NON HAS FILTERS	NON		,	ENSCO	WMDS658566	INCIN	27-Oct-00		NA	2,821	0	2,821	0	0	648		DART	
	AVANEL WASTE	NON			ENSCO	WMDS1309281	INCIN	27-Oct-00		NA	7,399	0	7,399	0	0	648		DART	
	CATALYZER BX CARB	NON			ENSCO	WMDS1318794	INCIN	27-Oct-00		NA	1,484	0	1,484	0	0	649	· · · · · · · · · · · · · · · · · · ·	DART	
	PTSI RESIDUE	NON			ENSCO	WMDS225079	INCIN	27-Oct-00		NA	1,244	0	1,244	0	0	649		DART	
5	MANHOLE SLUDGE	NON			ENSCO	WMDS1309245	INCIN	27-Oct-00		NA	1,734	0	1,734	0	0	649		DART	**********
1	LAMPS	NON			ADVANCED REC		RECYCLE			NA	26	0	O	0	26	650		SFTY KLEEN	
			FOO5, F002,											-					
2	HAZ WASTE SOLID	HAZ	F003		CALGON CARBON	CAN2543R	RECYCLE	15-Nov-00		NA	11,500	11,500	o	0	11,500	651	PA9199805	HAZMAT	
	WST FLAM LIQUIDS	HAZ	F003		CLEAN HARBORS		INCIN	27-Nov-00		3959		.,	<u> </u>			652	MCD0899639	CLEAN HARBORS	
			F003, F005, D001,												1				
1	WST FLAM LIQUIDS	HAZ	D021		CLEAN HARBORS	CH177236B	INCIN	29-Nov-00		3785			lol			653	MDC0899638	CLEAN HARBORS	
			D001, F002, F003,						-				-					1	
6	USED ACETONE	HAZ	D021		ENSCO	658586	INCIN	8-Dec-00		ļ	1,882	1,882	1,882	0		654	AR1160974	DART	
	WASTE TOLUENE	HAZ	D001, F005	_	ENSCO	749870	INCIN	8-Dec-00			3,378	3,378	3,378	0	0	654	AR1160974	DART	
			D003, D021,								-,-,-	-,	- 1 - 1 - 1		 				
3	WASTE FILTERS	HAZ	F002, F003, F005		ENSCO	1309243	INCIN	8-Dec-00			1,486	1,486	1,486	0	o	654	AR1160974	DART	
			F002, F003, F005,								.,	.,						1	
	LAB SOLID WASTE VENTSORB CARBON	HAZ	D021, D022		ENSCO	658564	INCIN	8-Dec-00			1,706	1,706	1,706	0	0	654	AR1160974	DART	
	WST	HAZ	F002, D021		ENSCO	1309247	INCIN	8-Dec-00			917	917	917	0		654	AR1160974	DART	
	SPEDI DRY W/MCB	HAZ	F002, D021		ENSCO	1309247	INCIN	8-Dec-00			1,055	1,055	1,055	0	0	654	AR1160974 AR1160974	DART	
	PT-16 TANK SLUDGE		F002, D021		ENSCO		INCIN				7,758	7,758	7,758	0	0	654	AR1160974 AR1160974	DART	
12	1 1-10 LANN OLUDUE		1 002, 1 000, D0211	4	ENOUU	1309265	IIACIIA	8-Dec-00		ı	1,100	1,100	1.100	U	, U	004	MN 1 1009/4	INVLI	
	EFFLUENT SLUDGE		F002, F005, D021		ENSCO	1309265	INCIN	8-Dec-00			2,300	2,300	2,300	0	0	654	AR1160974	DART	

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs		STATE MFST NUM	HAULER	TONS PER CATEGORY
			D001, F002, F003,					_											
1 _	LAB NON REC LIQUIDS	HAZ	F005, D021, D022 F002, F003, F005,	-	ENSCO	658565	INCIN	22-Dec-00			398	398	398	0	0	657	AR1160795	DART	
2	LAB SOLID WASTE	HAZ			ENSCO	658564	INCIN	22-Dec-00			458	458	458	0	0	657	AR1160795	DART	
2		HAZ	F002, D021		ENSCO	1309247	INCIN	22-Dec-00			536	536	536	0_	0	657	AR1160795	DART	
			D003, D021,										400	_				0.40=	
3	WASTE FILTERS WASTE	NON	F002, F003, F005	+	ENSCO ENSCO	1309243	INCIN	22-Dec-00 22-Dec-00	- · ·		162 1,313	162 1,313	162 1,313	0	0	657 658		DART	
6	WASTE	NON			ENSCO		INCIN	22-Dec-00 22-Dec-00			2,810	2,810	2,810	0		658		DART	
1	WASTE	NON			ENSCO		INCIN	22-Dec-00			615	615	615	0	T 0	658		DART	
4	WASTE	NON			ENSCO		INCIN	22-Dec-00			1,425	1,425	1,425	0	0	658		DART	
29	WASTE	NON			ENSCO		INCIN	22-Dec-00			12,261	12,261	12,261	0	0	659		DART	
3	WASTE SOLID	HAZ	F002		ENSCO		INCIN	22-Dec-00			7,500	7,500	0		7,500	660		DART	
1	WASTE SOLID	HAZ	F002, F005		ENSCO		INCIN	22-Dec-00			4,000	4,000	0		4,000	660	PAX9549853	DART	
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17-Nov-00 TONS PER APPROVAL DISP INCINERATION ww STATE WASTE HAZ/ EPA PROC SHIP EST DISP DISP HAZ RECYCLE MFST QTY DESCRIPTION METHOD WT MFST HAULER CATEGORY NON CODES GEN TSDF CODE DATE COST VOL WT WT WT RECOVERY DOC NUM NUM gals lbs lbs lbs lbs lbs

Rev 17-Nov-00 PROC APPROVAL DISP SHIP EST DISP DISP ww TONS PER HAZ/ EPA HAZ INCINERATION RECYCLE MFST STATE WASTE CODES GEN **TSDF** CODE METHOD DATE COST VOL WT WT WT WT MFST HAULER DESCRIPTION NON RECOVERY DOC CATEGORY QTY lbs \$ gals lbs lbs lbs lbs NUM NUM 2ND QUARTER 963.97 242.95 SUMMARY 216.45 37.41 22.50

Rev 31-Oct-12

7CA	31-061-12					_	_									
	WASTE	HAZ/	EPA		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	TSDF	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
							gals	lbs	ibs	l lbs	lbs	lbs	NUM	NUM		
1	RQ WASTE (CAUSTIC)	HAZ	D002	CECOS	TREATED	3-Feb-00	4622	38,547	38,547		38,547		579	NYG2284344	HAZMAT	
			F002, F003, F005.													
6	RQ HAZ WST SOLID	HAZ	D021, D022	ENSCO	INCIN	7-Feb-00	NA	1,731	1,731	1,731	0	0	580	AR1033229	DART	
1	RQ HAZ WST SOLID	HAZ	F002, D021	ENSCO	INCIN	7-Feb-00	NA	400	400	400	0	0	580	AR1033229	DART	
15	WST LQ 2 PROPANOL	HAZ	D001, F002	ENSCO	INCIN	7-Feb-00	NA	5,235	5,235	5,235	0	0	580	AR1033229	DART	
1	WST LQ ACETONE		D001, F002, F003,													
12	MCB	HAZ	D021	ENSCO	INCIN	7-Feb-00	NA	4,490	4,490	4,490	0	0	580	AR1033229	DART	
	WSTLQ															
-	CHLORBENZENE/TRIM															
	ETHYLAMIN	HAZ	D001, F002, D021	ENSCO	INCIN	7-Feb-00	NA	1,573	1,573	1,573	0	0	_581	AR1033231	DART	
3 \	WST LQ FUEL OIL/MCB	HAZ	D001, F002, D021	ENSCO	INCIN	7-Feb-00	NA	1,284	1,284	1,284	0	0	581	AR1033231	DART	
	WST LQ PROPARGYL															
	ALCOHOL	HAZ	D001	ENSCO	INCIN	7-Feb-00	NA	11,600	11,600	11,600	0	0	_ 581	AR1033231	DART	
2 \	WST LQ THF/HCL	HAZ	D001, D002	ENSCO	INCIN	7-Feb-00	NA	427	427	427	0	0	581	AR1033231	DART	
\	WST LQ		D001, F002, F003,													
1	ACETONE/METHONOL	HAZ	F005, D021, D022	ENSCO	INCIN	7-Feb-00	NA	400	400	400	0	0 1	582	AR1033832	DART	
4 \	WSTLQ	HAZ	F002	ENSCO	INCIN	7-Feb-00	NA	1,796	1,796	1,796	0	0	582	AR1033832	DART	
			D003, D021,													
	WST SOLID	HAZ	F002, F003, F005,	ENSCO	INCIN	7-Feb-00	NA	703	703	703	0	0	582	AR1033832	DART	
	WST SOLID	HAZ	F005, F002	CALGON	RECYCLE	14-Feb-00	4000	4,000	4,000			4,000	585	PAX9199750	HAZMAT	
	WST LQ	HAZ	D002	CECOS	TREATED	9-Feb-00	2,500	23,560	23,560		23,560	0	586	NYD002116192	HAZMAT	
	WASTE NITRIC ACID	HAZ	D002	CWM SVC	TREATED	23-Feb-00	NA	434	434		434	0	587	NYG2285145	HAZMAT	
	NASTE CAUSTIC															
	LIQUIDS	HAZ	D002		TREATED	23-Feb-00	NA NA	472	472		472	0	587	NYG2285145		
	WASTE FLAM LIQUID	HAZ	D001, D003	ROSS	INCIN	25-Feb-00	1760	14678	14678	14678	0	0	588	NYB5588127	ROSS	
	NASTE SOLID	HAZ	F002, F003, F005	ENSCO	INCIN	6-Mar-00	NA	2,112	2,112	2,112	0	0	589	AR1123221	DART	
	NASTE TOLUENE	HAZ	D001, F005	ENSCO	INCIN	6-Mar-00	NA	294	294	294	0	0	589	AR1123221	DART	
	NASTE LIQUID	HAZ	D001, F002	ENSCO	INCIN	6-Mar-00	NA	4,057	4,057	4,057	0	0	589	AR1123221	DART	
	NASTE LIQUID	HAZ	D001, F002, D021	ENSCO	INCIN	6-Mar-00	NA	473	473	473	0	0	589	AR1123221	DART	
	NASTE FILTERS	HAZ	F002	ENSCO	INCIN	6-Mar-00	NA	1,237	1,237	1,237	0	0	590	AR1123219	DART	
	AQUEOUS LIQUID	HAZ	D003, D021, F002		INCIN	6-Mar-00	NA	1,431	1,431	1,431	0	0	590	AR1123219	DART	
	AB LIQUIDS	HAZ	D001, F002, F003		INCIN	6-Mar-00	NA	544	544	544	0	0	590	AR1123219	DART	
	NASTE LIQUID	HAZ	D001, F002, F003		INCIN	6-Mar-00	NA	1,913	1,913	1,913	0	0	591	AR1123222	DART	
1\V	WASTE FLAM LIQUID	HAZ	F005	EAN HARB	TREATED	13-Mar-00	4300	35862	35,862		35862	0	594	MDC0869098	LN HARBOI	₹
							-		79.63	28.19	49.44	2.00		1 -		

 TONS GENERATED
 79.63

 TONS NOT SUBJECT
 1.50

 TO ASSESSMENT
 1.50

 TONS SUBJECT TO
 78.13

 \$ FOR INCINERATION
 \$258.20

 \$ FOR TREATMENT
 \$791.00

Y	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs		STATE MFST NUM	HAULER	TONS PER CATEGORY
10	WASTE MCB/DEA	HAZ	D001, F002,	LIEGO	FNCCO	147470400040	INCIN	7 4 00		A1.0	0.000		2.000	_		505	AD4400404	DADT	
10	TVASTE WOB/DEA	RAZ	D021 D001, F002,	HEGCL	ENSCO	WMDS1309246	INCIN	7-Apr-00	-	NA	3,923		3,923	0	0	595	AR1123194	DART	
2	WASTE OIL W/MCB	HAZ	D021	PTSI	ENSCO	WMDS664293	INCIN	7-Apr-00		NA	800		800	0	0	595	AR1123194	DART	
			D001, F002,					. 7.6. 00			-								
1	WASTE OIL W/MCB	HAZ	D021	PTSI	ENSCO	WMDS664293	INCIN	7-Apr-00		NA	433		433	0	0	595	AR1123194	DART	
			F002, F003,																
6	WASTE LAB SOLID	HAZ	F005	R&D Lab	ENSCO	WMDS658564	INCIN	7-Apr-00		NA	2,067		2,067	0	0	595	AR1123194	DART	
	1		D001, F002, F003, F005,	1									1				1		1
1	WASTE LAB NON REACTIVE	HAZ	D021, D022	R&D Lab	ENSCO	WMDS658565	INCIN	7-Apr-00		NA	474		474	0	o	506	AR1123197	DART	
	W.G.E. B.B.HORINE	11/12_	D003, D021,	TOD LOD	LNOCO	VVIIID3030303	INCIN	7-Api-00			7/7		7/7			290	AKT 123137	DAIN	
	1		F002, F003,								}								
3	WASTE FILTERS	HAZ	F005		ENSCO	WMDS1309243	INCIN	7-Apr-00		NA	969		969	0	0	596	AR1123197	DART	
3	WASTE VENTSORB	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	7-Apr-00		NA	858		858	0	0		AR1123197	DART	
21	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	7-Apr-00		NA	9,194		9,194	0	0	596	AR1123197	DART	ļ
1	MASTE MCDAMATED	1147	D001, F002,		FNICOC		,,,,,,,,,	7.400			444		444	•		507	100400	DADT	
1	WASTE MCB/WATER WASTE THF, HEP/HEX	HAZ HAZ	D021 D001, D002	Pilot Lab	ENSCO ENSCO	WMDS658591 WMDS1309252	INCIN	7-Apr-00 7-Apr-00		NA NA	444 425		444 425	0	0		AR1123198 AR1123198	DART DART	
3	WASTE THE, HEP/HEX	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252		7-Apr-00 7-Apr-00		NA NA	1,082		1,082	0	0		AR1123198		
1	777.572 1777, 1727	1 17 122	D001, F002,	1 HOT EAD	LINGOO	VIVIDO 1309232	INCIN	7-Api-00		INA	1,002		1,002				AIT123130	DAIN	
1	WASTE ACETONE	HAZ	F003, D021		ENSCO	WMDS1309255	INCIN	7-Apr-00		NA	417		417	0	0	597	AR1123198	DART	1
3	WASTE SOLID	HAZ	F005, F002		CALGON CARBO	CAN2543R	TREATED			NA	9,000		0		9,000	600	PA9199761	HAZMAT	
			F002, F005,																
27	WASTE SLUDGE	HAZ	D021		ENSCO	WMDS1309265		5-May-00		NA	19,148		19,148				AR1123165	DART	
1	WASTE PTSI WASTE FILTERS	HAZ	D003, D021	PTSI	ENSCO	WMDS1318824		5-May-00		NA	234		234				AR1123167	DART	
4	WASTE FILTERS	HAZ	F002, D021 D003, D021,		ENSCO	WMDS1309247	INCIN	5-May-00		NA	1,062	_	1,062			602	AR1123167	DART	
1	VENTSORB WASTE	HAZ	F002		ENSCO	WMDS1309243	INCIN	5-May-00		NA	212		212			602	AR1123167	DART	
	VERTOORS WAS IE		F002, F003,		LIVOU	VVIVID3 1309243	INCIN	3-Iviay-00		18/7	212		212			002	AIX1123107	DAIN	
6	LAB SOLID WASTE	HAZ	F005	R&D Lab	ENSCO	WMDS658564	INCIN	5-May-00		NA	1,830		1,830			602	AR1123167	DART	
			D001, F002,										, <u> </u>						
1	MCB AND WATER	HAZ	D021		ENSCO	WMDS658591	INCIN	5-May-00	•	NA	532		532			603	AR1123168	DART	<u> </u>
			D001, F002,																1
1	LAB NON REACTIVE	HAZ	F003	R&D Lab	ENSCO	WMDS658565	INCIN	5-May-00		NA	465		465				AR1123168		
- -	WASTE METHANOL	HAZ	D001, F003	Pilot Lab	ENSCO	WMDS1309250	INCIN	5-May-00		NA	1,906		1,906			603	AR1123168	DART	
2	OIL WITH MCB	HAZ	D001, F002, D021		ENSCO	WMDS664293	INCIN	5-May-00	,	NA	847	,	847			603	AR1123168	DART	l
1	ORGANINC LIQUID WASTE	HAZ	D001, F002	R&D Lab		WMDS1309275		5-May-00		NA NA	350		350				AR1123169	DART	
1	SPEEDI-DRI W/OIL/MCB	HAZ	F002, D021	PTSI		WMDS1309273		5-May-00		NA NA	375		375				AR1123169	DART	
1	CARBON REACTIVE	HAZ	F002		CALGON CARBO					NA	1,000		0		1,000		PA9199853	HAZMAT	
3	CARBON REACTIVE	HAZ	F002, F005		CALGON CARBO			15-May-00		NA	6,000		0		6,000		PA9199772	HAZMAT	
			D003, D021,										$\overline{}$						
_	WASTE EILTEDS	117.73	F002, F003,		ENGGG			40 1 50			0.455						AD4465445	DA	1
' -	WASTE FILTERS	HAZ	F005		ENSCO	WMDS1309243	INCIN	16-Jun-00		NA	3,126	0	3,126	0	0	610	AR1123110	DART	i
			F002, F003, F005, D021,															ļ	ı
5	LAB SOLID WASTE	HAZ .	D022	R&D Lab	ENSCO	WMDS658564	INCIN	16-Jun-00		NA	1,906	o	1,906	0	0	610	AR1123110	DART	ı
7	ORGANIC LIQUID WST	HAZ	D001, F002,	R&D Lab		WMDS1309275		16-Jun-00		NA NA	2,187	0	2,187	0	0		AR1123110	DART	
2	AQUEOUS LIQUID WST	HAZ	F002	R&D Lab		WMDS1309278		16-Jun-00		NA NA	770	0	770	0	0		AR1123110	DART	
2	WASTE METHANOL	HAZ	D001, F003	Pilot Lab		WMDS1309250		16-Jun-00		NA	790	0	790	0	0		AR1123111	DART	
4	VENTSORB CARBON WST	HAZ	F002, D021			WMDS1309247		16-Jun-00		NA	1075	0	1075	0	0		AR1123111	DART	
			D001, F002,																
2	MCB AND WATER	HAZ	D021		ENSCO	WMDS658591	INCIN	16-Jun-00	1	NA	985	0	985	0	0	611	AR1123111	DART	

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev	19-Jun	_00
Rev	125-7111	-uu

/CA	13-3411-00																		
ł	WASTE	HAZ/	EPA	PROC	1	APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
									\$	gals	ibs	lbs	Ibs	lbs	ibs	NUM	NUM		
			D001, F002,								-								
5	USED ACETONE	HAZ	F003, D021		ENSCO	WMDS658586	INCIN	16-Jun-00		NA	1879	0	1879	0	0	611	AR1123111	DART	
			D001, F002,		:														
1	OIL W/MCB	HAZ	D012	PTSI	ENSCO	WMDS664293	INCIN	16-Jun-00		NA	448	0	448	_ 0	0	612	AR1123112	DART	
			F002, F005,																
1	AQUEOUS TANK SLUDGE	HAZ	D021		ENSCO	WMDS1309265	INCIN	16-Jun-00		NA	382	0	382	0	0	612_	AR1123112	DART	
5	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	16-Jun-00		NA	2000	0	2000	0	0	612	AR1123112	DART	
1	THF/HEPTANE NEUT.	HAZ	D001		ENSCO	WMDS1309244	INCIN	16-Jun-00		NA	490	0	490	0	0	612	AR1123112	DART	
			D001, F002,																
1			F003, F005,																
1 _	LAB NON REACTIVE LIQ	HAZ	D021, D022	R&D Lab	ENSCO	WMDS6585655	INCIN	16-Jun-00		NA	430	0	430	0	0	613_	AR1123113	DART	
			D001, F002,									_							
1 _	ACETONE/MCB & DEA	HAZ	F003, D021		ENSCO	WMDS1309255	INCIN	16-Jun-00		NA	461	0	461	0	0		AR1123113		
1	PAINT WASTE	HAZ	D001		ENSCO	WMDS1328186	INCIN	16-Jun-00		NA	542	0	542	0	0	613	AR1123113	DART	
2	THF/HEPTANE & HEXANE	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	16-Jun-00		NA	695	0	695	0	0	613	AR1123113	DART	
			F002, D021,																
1	MCB/PNBC	HAZ		PNBC	ENSCO	WMDS130924		16-Jun-00		NA	463	0	463	0	0		AR1123114		
2	WASTE SOLID	HAZ	F002, F005		ALGON CARBO	CAN2543R	TREATED	20-Jun-00		NA	11,200		0		11,200	617	PA9199783	HAZMAT	
											46.9		33.3	0.0	13.6				

TONS GENERATED	46.94
TONS NOT SUBJECT TO	
ASSESSMENT	10.20
TONS SUBJECT TO	
ASSESSMENT	36.74
\$ FOR INCINERATION	\$330.64
\$ FOR TREATMENT	\$0.00
TOTAL ASSESSMENT	\$330.64

WASTE TAX WORKSHEET 3RD QUARTER 2000

Rev 17-Oct-00

	WASTE	HAZ/	J	DISP	SHIP	DISP	DISP	HAZ	INCINERATION		RECYCLE	MFST	STATE	1	TONS PER
QTY	DESCRIPTION	NON	TSDF	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
						gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	L	
	POH/WATER	HAZ	ENSCO	INCIN	7-Jul-00	NA	836	836	836	0	0	618	AR1123089	DART	
	WASTE TOLUENE	HAZ	ENSCO	INCIN	7-Jul-00	NA	979	979	979	0	0	618	AR1123089	DART	
	HEGCL STILLBOTTOMS	HAZ	ENSCO	INCIN	7-Jul-00	NA	690	690	690	0	0	618	AR1123089	DART	
	MCB/PNBC	HAZ	ENSCO	INCIN	7-Jul-00	NA	800	800	800	0	0	618	AR1123089	DART	
_ 4	THF/HEPTANES/HEXANE	HAZ	ENSCO	INCIN	7-Jul-00	NA	1,432	1,432	1432	0	0	618	AR1123089	DART	
	VENTSORB CARBON WST	HAZ	ENSCO	INCIN	7-Jul-00	NA	776	776	776	0	0	618	AR1123089	DART	
_ 3	WASTE FILTERS	HAZ	ENSCO	INCIN	7-Jul-00	NA	1,468	1,468	1468	0	0	618	AR1123089	DART	
	OIL W/MCB	HAZ	ENSCO	INCIN	7-Jul-00	NA	405	405	405	0	0	618	AR1123089	DART	
	THF/HEPTANE	HAZ	ENSCO	INCIN	7-Jul-00	NA	428	428	428	0	0	618	AR1123089	DART	
	TEU WASTE	HAZ	ENSCO	INCIN	7-Jul-00	NA	342	342	342	0	0	618	AR1123089	DART	
	LAB SOLID WASTE	HAZ	ENSCO	INCIN	7-Jul-00	NA	141	141	141	0	0	618	AR1123089	DART	
1	LAB NON REACTIVE WST	HAZ	ENSCO	INCIN	7-Jul-00	NA	456	456	456	0	0	618	AR1123089	DART	
	WASTE FLAMMABLE LIQ	HAZ	ROSS	INCIN	14-Jul-00	5351	37,933	37,933	37,933	0	0	621	NYB558742 5	ROSS	
1	WASTE FLAMMABLE LIQ	HAZ	ROSS	INCIN	21-Jul-00	NA	40,460	40,460	40460	0	0	622	NYB5587407		
	14/4 CTE 0.01 ID		CALGON											CALGON	
2	WASTE SOLID	HAZ		RECYCLE	20-Jul-00	NA	5,000	5,000	1250	0	3750	623	NYB5565132	CARBON	
ا1	WASTE SOLID	HAZ	CALGON CARBON	RECYCLE	20-Jul-00	NA	5,600	5,600	1400	0	4200	623	NYB5565132	CALGON CARBON	
	WASTE FLAMMABLE LIQ	HAZ	ROSS	INCIN	28-Jul-00	5524	39,160	39,160	39,160	0	0	624	NYB5587488	ROSS	
'	WACTET EXIMINABLE EIG	11/1/2	CLEAN	IIICIII	20-341-00	3324	39,100	38,100	39,100		 	024	141 00007400	CLEAN	
1	TOLUENE/METHANOL	HAZ	HARBORS	INCIN	3-Aug-00	4896	36,749	36,749	36,749	0	0	625	MDC0902236		
1	TOLUENE/DEA	HAZ	ROSS	INCIN	4-Aug-00	5002	37,545	37.545	37,545	0	0	626	NYB5587497	ROSS	
			CLEAN											CLEAN	
	METHONOL/TOLUENE	HAZ	HARBORS	INCIN	16-Aug-00	2913	21,865	21,865	21,865	0	0	627	MCD0902143		
	THR/HEP/HEXANE	HAZ	ENSCO	INCIN	7-Sep-00	NA	786	786	786	0	0	629		DART	
	WASTE FILTERS	HAZ	ENSCO	INCIN	7-Sep-00	NA	3,329	3,329	3329	0	0	629		DART	
	LAB SOLID	HAZ	ENSCO	INCIN	7-Sep-00	NA	2,047	2,047	2047	0	0	629		DART	
	VENTSORB CARBON	HAZ	ENSCO	INCIN	7-Sep-00	NA	1,167	1,167	1167	0	0	629		DART	
	LAB LIQUID	HAZ	ENSCO	INCIN	7-Sep-00	NA	466	466	466	0	0	630		DART	
	MCB/PNBC	HAZ	ENSCO	INCIN	7-Sep-00	NA	1,569	1,569	1569	0	0	630		DART	
1	OIL WITH MCB	HAZ	ENSCO	INCIN	7-Sep-00	NA	508	508	508	0	0	630	AR1123024	DART	
1	WASTE FLAM LIQUID	HAZ	CLEAN HARBORS	INCIN	8-Sep-00	3444	25,851	25,851	25,851	0	0	632	MDC0902171	FRANKS VACUUM	
2	WASTE SOLID	HAZ	CALGON CARBON	INCIN	11-Sep-00	NA	11,200	11,200	2800	0	8400	633	PA9199820	HAZMAT	
			CLEAN											CLEAN	
1 \	WASTE FLAM LIQUID	HAZ	HARBORS	INCIN	15-Sep-00	NA	22,760	22,760	22760	0	0	634	MCD0901519	HARBORS	
1/1	WASTE FLAM LIQUID	HAZ	CLEAN HARBORS	TREATED	15-Sep-00	3102	25,871	25,871	0	25871	0	635	MDC0727114	FRANKS VACUUM	
			CLEAN								 			FRANKS	· · · · ·
	WST MET/TOL LIQUID	HAZ	HARBORS	INCIN	22-Sep-00	4700	35,278	35,278	35,278	0	0	636	MDC0727115		
1 1	DIMETHYL FOR/LIQUID	HAZ	ROSS	INCIN	27-Sep-00	2552	17,027	17,027	17,027 169.4	0 12.9	0 8.2	637	NYB558541	ROSS	

TONS / \$ TONS GENERATED 190.5 TONS NOT SUBJECT TO ASSESSMENT 8.2 TONS SUBJECT TO ASSESSMENT 182.3 \$ FOR INCINERATION \$1,524.16 **\$ FOR TREATMENT** \$206.97 TOTAL ASSESSMENT \$1,731.13

182.3

WASTE TAX - 4TH QUARTER 2000.

Revised: 1/12/01

#	DESCRIPTION	HAZ	CODE	DISP. SITE	PROFILE	METHOD	DATE	GALLONS	#'S	HAZ WT	INCIN	WWT	RECYCLE	MAN#	MAN ID	HAULER
		 	D001, F002		TROTTEE	IIIE IIIOD	- DATE	GALLONG	# U	TIAL W	into int		KEGIGEE	141/414 11	III/AIT ID	11702211
4	USED ACETONE	HAZ	F003, D021		658586	INCIN	2-Oct-00	NA	1,423	1,423	1423	0	0	638	AR1161008	DART
	WASTE TOLUENE	HAZ	D001, F005		749870		2-Oct-00	NA	858	858	858	0	0	638	AR1161008	DART
	SPEDI W/OIL / MCB	HAZ	F002, D021	ENSCO	1309238		2-Oct-00	NA NA	534	534	534	0	0	638	AR1161008	DART
			D003, D021		1000200		1 2 3 3 3 3						1		7	
	}		F002, F003,		1	ł	1						}			
4	WASTE FILTERS	HAZ	F005	ENSCO	1309243	INCIN	2-Oct-00	NA	2,351	2,351	2351	0	0	638	AR1161008	DART
_			F002, F003,		1000210	1110111	1 2 3 3 3 3		2,001						7	
			F005, D021,		1								ŀ			
3	LAB SOLID WASTE	HAZ	D022	ENSCO	658564	INCIN	2-Oct-00	NA	742	742	742	0	0	638	AR1161008	DART
			D001, F002,													
			F003, F005,				1			l						
2	LAB NON REACTIVE	HAZ	D021, D022		658565	INCIN	2-Oct-00	NA	1,023	1,023	1023	0	0 1	638	AR1161008	DART
1	VENTSORB CARBON	HAZ	F002, D021	ENSCO	1309247	INCIN	2-Oct-00	NA	277	277	277	0	0	638	AR1161008	DART
			F003, F005,				1									
_1	METHONOL/TOLUENE	HAZ	D001	CLEAN HARBORS	CH187152B	INCIN	4-Oct-00	2227	16,716	16,716	16,716	0	0	641	MDC0727117	FRANKS VACUU
			F003, F005,													
_1	METHONOL/TOLUENE	HAZ	D001	CLEAN HARBORS	CH187152B	INCIN	9-Oct-00	5100	38,281	38,281	38,281	0	0	642	MDC0727116	FRANKS VACUU
			F005, F002,]
2	WASTE SOLID	HAZ	F0003	CALGON CARBON	CAN2543R	RECYCLE	10-Oct-00	NA	11,200	11,200	0	0	11,200	643	PA9199794	CALGON CARBON
			F003, F005,						<u> </u>							
1	METHANOL/TOLUENE	HAZ	D001	CLEAN HARBORS	CH187152B	INCIN	16-Oct-00	2000	15,012	15,012	15,012	0	0	644	MDC0727118	FRANKS VACUUM
			F003, F005,						<u> </u>							
1	METHANOL/TOLUENE	HAZ	D001	CLEAN HARBORS	CHI187152B	INCIN	19-Oct-00	4069	30,542	30,542	30,542	0	0	645	MCD0727119	FRANKS VACUUM
ı			F003, F005,													
1	METHANOL/TOLUENE	<u>HAZ</u>	D001	CLEAN HARBORS	CHI187152B	INCIN	23-Oct-00	4355	32,689	32,689	32,689	0	0	646	MDC0727120	FRANKS VACUUM
4	BCE/BBOBABYL ALCH	1147	D001, D002,			111011	07.0.1.00	NIA	400	400	400	^		0.47	A D 4 4 0 0 0 7 0	
	PCF/PROPARYL ALCH HCL	HAZ	D003	ENSCO	WMDS1328263	INCIN	27-Oct-00	NA	400	400	400	0	0	647	 	DART TRUCKING
긕	IIOL.	HAZ	D002	ENSCO	WMDS1328156	INCIN	27-Oct-00	NA	1,835	1,835	1,835	0	0	647	AR1160973	DART TRUCKING
1	ACETONE/HCL	HAZ	D001, D002,	E11000	[[INIOINI	07.0-4.00	NIA	400	400	400	^		647	A D 4 4 6 0 0 7 2	DART TRUCKING
-+	ACLIONLINCE	ПАД	F003	ENSCO	WMDS1328242	INCIN	27-Oct-00	NA	400	400	400	0	0	647	ARTIOU973	DART TRUCKING
3	MCB/PNBC	HAZ	F002, D021, D001			INICINI	27 0 -1 00	NIA	4 575	4 575	1 575	0	0	647	AD4460072	DADT TOUGHNO
쒸	IVIOB/I IVBO		FOO5,	ENSCO	WMDS1309241	INCIN	27-Oct-00	NA	1,575	1,575	1,575	0		047	AK1100973	DART TRUCKING
2	HAZ WASTE SOLID	HAZ		CALGON CARBON	CANOFAOD	DECVOLE	15-Nov-00	NIA	11 500	11 500	0	0	11,500	651	PA9199805	 HAZMAT
	WST FLAM LIQUIDS	HAZ	F002, F003					NA 3959	11,500	11,500	29,716		11,500	652		CLEAN HARBORS
-+	WOTT LAW EIGOIDS	11/1/2	F003, F005,	CLEAN HARBORS	CHI77235B	INCIN	27-Nov-00	3939	29,716_	29,716	29,710	· · · · · · · · · · · · · · · · · · ·	 	032	MCD099039	CLEAN HARBURS
11	WST FLAM LIQUIDS	HAZ	1 ' ' '	CLEAN HARBORS	0114770000	INICINI	29-Nov-00	3785	28,410	28,410	28,410		1	653	MDC0800838	CLEAN HARBORS
	VVOTTEAW EIGOIDS	11/1/	D001, D021	CLEAN HARBORS	CH177236B	INCIN	29-INOV-00	3/65	20,410	20,410	20,410			000	INDCOGGGGG	CLEAN HARBORS
ااء	USED ACETONE	HAZ	F003, D021	ENCOO	CERECO	INCIN	8-Dec-00		1,882	1,882	1,882	0	0	654	AR1160974	DART
	WASTE TOLUENE	HAZ	D001, F005	ENSCO	658586	INCIN				3,378	3,378	0	0	654	AR1160974	
┤	TO TO TOLOUINE	1 1/74	D001, F003 D003, D021,	ENSCO	749870	INCIN	8-Dec-00		3,378	3,370	3,370		 	034	ANT 100314	DANI
			F002, F003,							ļ						İ
3/1	NASTE FILTERS	HAZ	F005	ENCO	1200040	INCIN	8-Dec-00		1 400	1,486	1,486	0	0	654	AR1160974	DART
ᅱ,	WOIL HEILING	111/4	F003 F002, F003,	ENSCO	1309243	INCIN	9-D6C-00		1,486	1,400	1,400	<u>U</u> _	 	0.04	AN 1100814	POLL
			F002, F003, F003, D021,													
511	AB SOLID WASTE	HAZ	D022	ENICOO	GEDER 4	INCIN			1 700	1 700	1 706	0	_	651	AR1160974	DART
ᆜᆜ	THE SOLID WAS IE	$\Pi A L$	D022	ENSCO	658564	INCIN	8-Dec-00		1,706	1,706	1,706	0	0	654	AR HOUS/4	DAKI

#	DESCRIPTION	HAZ	CODE	DISP. SITE	PROFILE	METHOD	DATE	GALLONS	#'S	HAZ WT	INCIN	WWT	RECYCLE	MAN#	MAN ID	HAULER
	VENTSORB CARBON															
3	WST	HAZ	F002, D021	ENSCO	1309247	INCIN	8-Dec-00	·	917	917	917	0	0	654	AR1160974	DART
3	SPEDI DRY W/MCB	HAZ	F002, D021	ENSCO	1309238	INCIN	8-Dec-00		1,055	1,055	1,055	0	0	654	AR1160974	DART
			F002, F005,													
12	PT-16 TANK SLUDGE	HAZ	D021	ENSCO	1309265	INCIN	8-Dec-00		7,758	7,758	7,758	0	0	654	AR1160974	DART
	1	,	F002, F005,													
4	EFFLUENT SLUDGE	HAZ	D021	ENSCO	1309265	INCIN	8-Dec-00		2,300	2,300	2,300	0	0	654	AR1160974	DART
		1	D001, F002,			İ	<u> </u>	1		l						
	l <u> </u>	l	F003, F005,													
1	LAB NON REC LIQUIDS	HAZ	D021, D022	ENSCO	658565	INCIN	22-Dec-00		398	398	398	0	0	657	AR1160795	DART
			F002, F003,													
_			F005, D021,									_				
	LAB SOLID WASTE	HAZ	D022	ENSCO	658564		22-Dec-00		458	458	458	0	0	657	AR1160795	<u> </u>
2	VENTSORB CAR WST	HAZ	F002, D021	ENSCO	1309247	INCIN	22-Dec-00		536	536	536	0	0	657	AR1160795	DART
			D003, D021,													
	NAME OF THE TERM	1147	F002, F003,	ENOGO			00.5		400	400	400	•		057		
	WASTE SOLID	HAZ	F005	ENSCO	1309243		22-Dec-00		162	162	162	0	0	657	AR1160795	
	WASTE SOLID	HAZ	F002	ENSCO			22-Dec-00		7,500	7,500	7,500	0	0	660	PAX9549853	
J	WASTE SOLID	HAZ	F002, F005	ENSCO		INCIN	22-Dec-00		4,000	4,000	4,000	0	0	660	PAX9549853	DART
		<u> </u>								120 51	110 16	0.00	14.05			
							-			129.51	118.16	0.00	11.35			
		TONS / \$							· · ·							!
	TONS GENERATED	129.5												<u>.</u>		
	TONS NOT SUBJECT	128.5														
	TO ASSESSMENT	0.5						ļ]	1	ı				
	TO ASSESSIMENT	8.5	l			l ,		I			l		l I			

 TONS SUBJECT TO

 ASSESSMENT
 121.0

 \$ FOR INCINERATION
 \$1,088.98

 \$ FOR TREATMENT
 \$0.00

 TOTAL ASSESSMENT
 \$1,088.98

Annual Waste Report - 2000

Wastewater treatment

TOTAL WASTEWATER IN TONS
TOTAL WASTEWATER IN METRIC TONS

Phosgene Department - Acidic wastewater

Water usage from Billing Statements 4" meter to scrubber

22-Dec-99 86,890,900 20-Dec-00 96,918,000 10,027,100 gallons 83,626,014 pounds 41,813 tons 37,943 metric tons

D-area - Scrubber tub Caustic wastewater

	PT-1,2,3,4	PT-5,6
Jan-00	22,950	650,250
Feb-00	0	1,032,750
Mar-00	0	573,750
Apr-00	0	803,250
May-00	0	918,000
Jun-00	0	688,500
Jul-00	7,650	650,250
Aug-00	0	38,250
Sep-00	na	0
Oct-00	na	0
Nov-00	na	7,000
Dec-00	na	31,010
Total	30,600	5,393,010

Total tons2,712Total metric tons2,461

886,125 avg #'s per month 2% NaOH 8.86 Tons dry wt NaOH lost / month 355 \$\$ lost per month \$37,748.93 \$\$ lost per year

44,525

40,404

WASTE M/ ERIALS

4th Quarter 2001 - Revised: 02/08/02

Table 1 - Derivatives	Q1	Q2	Q3	Q4	YTD	2002 BUDGET	%	2001
Pounds of waste generated	1,738,781				1,738,781	NA	NA	1,095,871
Pounds of product produced	922,122				922,122	. NA	NA	9,180,267
Pounds of waste / Pounds of product	1.886				1.886	NA	NA	0.438
Waste disposal cost	\$93,989				\$93,989	BIGOS	#VALUE!	BIGOS
Waste disposal cost / Pounds of product	\$ 0.102				\$ 0.102	NA	NA	\$0.179
					0.000	· · · · · · · · · · · · · · · · · · ·		51000
Net sales	\$1,673,145				\$1,673,145	bigos	#VALUE!	BIGOS
Waste disposal cost / Net sales	5.62%				5.62%))	NA	#VALUE
Waste products	Pounds WASTE	E 2002	#'S WASTE / # PRODUCT 2002	PRODUCT 2002		Pounds Full Ye	ear 2001	%
Amide Chloride		10,161	0.051	0.014462977			61,420	17%
Avanel		64,310	NA		,		53,990	1199
BCF		710	0.010				126,688	19
Butryl chloride		956	NA				103,479	19
HEGCL		14,274	NA				416,533	3%
Lab		1,283	NA				19,415	79
Phenyl chloroformate		13,792	0.203				198,395	7%
Plant		135,787	0.147				322,249	42%
PNBC		4,895	0.044				36,646	139
PTSI		19,217	0.052				53,784	36%
FC102		917,553	54.425		·		382,468	240%
TMTC		11,150	0.130				_	
PHOSGENE		1,526	0.001070677				-	
Sub-total		265,385					1,392,599	
Sub-total Miscellaneous including Pho Total		265,385 0 265,385					1,392,599 10,310 1,402,909	19% NA 19%

Comments:

Table 1 – Most waste is generated from the derivatives plant. Phosgene production generates little waste per pound. As such, phosgene production & waste is not included in Table 1.

- **Pounds of waste generated:** Total pounds of hazardous and non-hazardous waste generated excluding garbage & scrap.
- Pounds of product produced: Total pounds of product manufactured.
- Pounds of waste / Pounds of product: Pounds of waste disposed divided by the pounds of derivatives produced.
- Waste disposal cost: This does not include the cost for disposal of garbage (Browning Ferris).
- Waste disposal cost / Pounds of product: amount of disposal costs divided by the pounds of product produced.

WASTE MATERIALS

4th Quarter 2001 - Revised: 02/08/02

Table 1 - Derivatives only	Q1	Q2	Q3	Q4	YTD	2002 BUDGET	%	2001
Pounds of waste generated	1,308,069				1,308,069	NA	NA	
Pounds of product produced	922,122				922,122	NA	NA	
Pounds of waste / Pounds of product	1.419				1.419	NA	NA	
Waste disposal cost					\$0	BIGOS	#VALUE!	BIGOS
Waste disposal cost / Pounds of product	\$ -				\$ -	NA	NA	
Net sales					\$0	bigos	#VALUE!	BIGOS
Waste disposal cost / Net sales	#DIV/0!				#DIV/0!	· · · · · · · · · · · · · · · · · · ·	WALUE!	

Wests and ducts	Down do MARTE 2002	#'S WASTE / # PRODUCT 2002	1	Baumda Full Vaan 2004	0/
Waste products	Pounds WASTE 2002			Pounds Full Year 2001	%
Amide Chloride		0.000	0.014462977		#DIV/0!
Avanel	#REF!	NA			#REF!
BCF	#REF!	#REF!			#REF!
Butryl chloride	#REF!	NA			#REF!
HEGCL	#REF!	NA			#REF!
Lab	#REF!	NA			#REF!
Phenyl chloroformate	#REF!	#REF!			#REF!
Plant	#REF!	#REF!			#REF!
PNBC	#REF!	#REF!			#REF!
PTSI	#REF!	#REF!			#REF!
FC102	#REF!	#REF!			#REF!
ТМТС	#REF!	#REF!		-	-
PHOSGENE	-	0		-	
Sub-total	#REF!			-	#REF!
Miscellaneous including Phosgene	0				NA
Total	#REF!			 0	#REF!

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT lbs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER
1	WASTE CAUSTIC LIQUID	HAZ	D002	Plant	CLEAN HAR		TREATED	24-Jan-01	0	512	512	0	0	512	661	CTF0964019	C HARBORS	
•	COMBUSTABLE LIQUID	NON			ADVANCED ENV		INCIN		0	26	0	26	0	0	_662	SCR000075150	SAFETY KLEEN	
1	WASTE DMF	HAZ	D001	Amide Chloride	CLEAN HAR		INCIN	2-Feb-01	0	150	150	150	0	0	663	MAM692146	C HARBORS	
_	COMPLICTABLE LIQUID			D:: 4.1.4					_									
	COMBUSTABLE LIQUID TOXIC LIQUID PNBC	NON NON		Pilot Lab PNBC	CLEAN HAR CLEAN HAR	CH122193 CH147741		2-Feb-01 2-Feb-01	0	3,323 4,030	0	 		 	664 664	MAD053452637 MAD053452637		
- 10	TOXIC EIGOID FINDC	NON		PNBC	CLEAN HAR	CH14//41		2-reb-01	<u> </u>	4,030	ļ <u> </u>	 		 	004	MAD053452637	C HARBORS	
41	NON REGULATED MAT	NON		Amide Chloride	CLEAN HAR	CH183010		2-Feb-01	0	18,888	0				664	MAD053452637	C HARBORS	
	NON REGULATED MAT	NON		PTSI	CLEAN HAR	CH124261		2-Feb-01	0	2,221	0			1	664	MAD053452637	C HARBORS	
	144 OTE EL ALA LIQUES		F002, F003, D001,						_				_					
	WASTE FLAM LIQUIDS	HAZ	D021, D022	Lab	CLEAN HAR	CH124269	INCIN	2-Feb-01	0	447	447	447	0	0	665	IL8621467	C HARBORS	
	WASTE FLAM LIQUIDS WASTE FLAM LIQUIDS	HAZ HAZ	D001, D021 D001, D021, F002	PNBC PTSI	CLEAN HAR CLEAN HAR	CH124412	INCIN	2-Feb-01	0	977 475	977 475	977 475	0	0	665 665	IL8621467 IL8621467	CHARBORS	
	WASTET LAW EIGOIDS	1772	F002, F003, F005,	FISI	CLEAN HAR	CH131275	INCIN	2-Feb-01	<u> </u>	4/5	4/5	4/5	<u> </u>	1	000	11.0021407	C HARBORS	
2	HAZ WASTE SOLID	HAZ	D021, D022	Lab	CLEAN HAR	CH124262	INCIN	2-Feb-01	0	258	258	258	0	0	665	IL8621467	C HARBORS	1
												===				1		
	WASTE SOLID CORR	HAZ	D003	Amide Chloride	CLEAN HAR	CH183160	INCIN	23-Feb-01	0	2,750	2,750	2,750	0	0	666	CTF0929756		
	WASTE LIQUID FLAM	HAZ	D001, D021, F002		CLEAN HAR	CH131275	INCIN	23-Feb-01	0	400	400	400	0	0	666	CTF0929756		
3	WASTE LIQUID POH	HAZ	D001	PNBC	CLEAN HAR	CH183013	INCIN	23-Feb-01	0	901	901	901	0	0	667	MDC0891562	C HARBORS	
7	WASTE LIQUID PNBC	HAZ	F003, D001	PNBC	0.5411115	011400044	INCIN	00 5-6 04	•	2 442	0.440		•		007	MDOORDAFOO		}
	ACETONE	HAZ	F003, D001	PNBC	CLEAN HAR	CH183011	INCIN	23-Feb-01	0	2,412	2,412	2,412	0	0	667	MDC0891562	C HARBORS	
7	COMB LIQUID DIOXANE	HAZ	D003	Pilot Lab	CLEAN HAR	CH122193	INCIN	23-Feb-01	385				0	0	667	MDC0891562	C HARBORS	
	WASTE MCB SOLID	HAZ	F002, D021	PTSI	CLEAN HAR	CH131345		23-Feb-01	0	450	450	450	0	0	668	NYG2632563		
					<u> </u>	0.1101010		2010001		130	100	1,00				1410202000	O TIVILIDOTIO	
_1	WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	23-Feb-01	0	450	450	450	0	0	668	NYG2632563	C HARBORS	
	WASTE SOLID PTSI		F002, F003, F005,															1
	ACETONE	HAZ	D003, D021	PTSI	CLEAN HAR	CH183171		23-Feb-01	0	350	350	350	0	0	668	NYG2632563		
23	TOXIC LIQUID PhCF	HAZ		PHCF	CLEAN HAR	CH183164	INCIN	23-Feb-01	00	10,100	10,100	10,100	0	0	669	NYG2632554	C HARBORS	
4	WASTE LIQUID PhCF		Food Door	51105					_				_					
	ACETONE WASTE FLAM LIQUIDS	HAZ HAZ	F003, D001 D001, D002	PHCF Pilot Lab	CLEAN HAR	CH183161		23-Feb-01	0	350	350	350	0	0	669	NYG2632555		
	VASTE FLANTEIQUIDS	NAZ	F002, F003, F005,	PIIOL LAD	CLEAN HAR	CH147710	INCIN	23-Feb-01	0	800	800	800	0	0	669	NYG2632556	CHARBURS	
4	WASTE SOLID ACE/MET	HAZ	D021, D022	Lab	CLEAN HAR	CH124262	INCIN	23-Feb-01	0	1,600	1,600	1,600	0	1 0 1	669	NYG2632557	C HARBORS	
	PTSI RESIDUE	NON	5021,5022	PTSI	CLEAN HAR	CHI24261		23-Feb-01	0	1,000	1,000	1,000	0	0	670	NYD175773779		
1	NON REGULATED MAT	NON		Plant	CLEAN HAR	CHI83162		23-Feb-01	0	250	250	1,000			670	NYD175773779		
17	NON REGULATED MAT	NON		Amide Chloride	CLEAN HAR	CHI83010		23-Feb-01	0	7,650	7,650				671	NYD175773779	C HARBORS	
	NON HAZ SOLIDS	NON		Pilot lab	CLEAN HAR	CHI83165		23-Feb-01	0	300	300	300	0	0	671	NYD175773779		ļ
	NON REG BRINE WASTE TOLUENE	NON	F005, D001	Plant	CLEAN HAR	WTSBB8104	TREATED		3471	10 505		0		0	672	NYD080336241		ļ
	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	14-Mar-01	5670	42,525	0	42,525	0	U	673	MDC0727121	CHARBORS	ļ
			F002, F003, F005.															
1	WASTE LIQUID BCF, MCL	HAZ	D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	4-Apr-01	0	325	325	325	0	o	674	MDC0901969	C HARBORS	
1	WASTE TOLUENE		F005, D001		CLEAN HAR	CH183169B	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	Ö	675	MDC0903706		
	WASTE TOLUENE	HAZ	F005, D001, D002	HEGCL	CLEAN HAR	CH183169B	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	676	MDC0727122		
	WASTE TOLUENE		F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	677	MDC0727123	FRANKS VAC	
1	WASTE SOLIDS	HAZ	F002, F005	Plant	CALGON CARB	CAN2543R	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	678	PAX9549831	CALGON CARB	
3	WASTE SOLIDS	HAZ	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	678	PAX9549831	CALGON CARB	
_ 1	WASTE COMB LIQUID	NON		Parts Wash.	SAFETY KLEEN	RW9920		27-Apr-01	0	171	171		0	171	679	92564	SAFETY KLEEN	
1	WASTE FUEL OIL, MCB	HAZ	D001, F002, D021		CLEAN HAR	CH131275	INCIN	4-May-01	0	475	475	475	0	0	680	MDC0800675	C HARBORS	
	WASTE FUEL OIL, MCB		D001, F002, D021		CLEAN HAR	CH131275	INCIN	4-May-01	0	493	493	493	0	0	681	MDC0893659		1
	WASTE CHLORBENZE		D001, D021		CLEAN HAR	CHI56168	INCIN	4-May-01	0	932	932	932	- 0 -	0	681	MDC0893659		t -
			F002, F003, F005,										<u>-</u> _				<u></u>	†
11	WASTE ACETONE	HAZ	D001	Plant	CLEAN HAR_	CH183167	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	681	MDC0893659	C HARBORS	
		_	F002, F003, F005,															
	WASTE LIQUID	HAZ	D001		CLEAN HAR	CH183167	INCIN	4-May-01	00	822	822	822	0	0	682	MDC0893660		
4	WASTE FLAMABLE LIQ	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	4-May-01	0	419	419	419	0	0	682	MDC0893660	CHARRORS	1

L = LANDFILL	
B = INCINERATION	1
T = TREATED	
R = RECYCLE	
S = STORAGE	

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Rev	2-Jan-02	VORNORE																
1100	WASTE	HAZ/	EPA	PROCESS		T	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	1 -	TONS PER
່ລນ	1	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
~	DESORT HON	I NON	CODES	WASTE	1301	CODE	METHOD	DAIL	gals	lbs	lbs	lbs	ibs	Ibs	NUM	NUM	HAULER	CATEGORI
1	1 WASTE FLAMABLE LIQ	HAZ	D001, D001		CLEANINAD		INCIN	4 14-4 04					0		682	MDC0893660	O LIADRODO	
	2 WASTE ACETONE	HAZ	D001, D001	Lab	CLEAN HAR	CH183173		4-May-01	0	1,135	1,135	1,135	0	0	683			
				PHCF	CLEAN HAR	CH183161	INCIN	4-May-01	0	463	463	463		•		MDC0893658		
	5 WASTE FLAMABLE LIC	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	683	MDC0893658		
	2 WASTE FLAMABLE LIQ	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	4-May-01	0	935	935	935	0	0	683	MDC0893658	CHARBORS	
	FINANTE COLID		F002, F003, F005,	D11		011100171				0.455			•	1 . 1	004	075050747		1
	5 WASTE SOLID	HAZ	D021	Plant	CLEAN HAR	CH183171	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	684	CTF0950717		-
	3 WASTE 2 WASTE LIQUID	HAZ		Plant	CLEAN HAR	CH124264	INCIN	4-May-01	0	721	721	721	0	0	684	CTF0950717		
 		NON		PNBC	CLEAN HAR	CH183168	INCIN	4-May-01	0	498	498	498	0	0	685	D2321708	C HARBORS	
<u> </u>	1 WASTE LIQUID	NON		PNBC	CLEAN HAR	CH147741	INCIN	4-May-01	0	144	144	144	0	0	685	D2321708	C HARBORS	
	9 WASTE NON REG	NON		PTSI	CLEAN HAR	CH124261	INCIN	4-May-01	0	5,094	5,094	5,094	0	0	686	D2321708	C HARBORS	ļ
	8 WASTE SOLIDS 5 WASTE SOLIDS	NON		PHCF	CLEAN HAR	CH183164	INCIN	4-May-01	0	3,321	3,321	3,321	0	0	686	D2321708	C HARBORS	
<u> </u>		1	FOOD FOOE DOOA	Pilot Lab	CLEAN HAR	CH183165	INCIN	4-May-01	0	1,722	1,722	1,722	0	0	687		C HARBORS	
-	1 WASTE SOLID MCB	HAZ	F002, F005, D021	PTSI	CLEAN HAR	CH131345	INCIN	4-May-01	0	180	180	180	0	0	688	NYG2633418		
-	1 WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	4-May-01	0	35	35	35	0	0	688	NYG2633418		
-	1 WASTE FLAMABLE LIQ	HAZ	D001, F005	PHCF	CLEAN HAR	CH183161	INCIN	4-May-01	0	294	294	294	0	0	688	NYG2633418		
-	3 WASTE MCB/DEA	HAZ	D001, D021	HEGCL	CLEAN HAR	CH147725	INCIN	4-May-01	0	854	854	854	0	0	689	NYG2633409		
	1 WASTE TETR/HCL	HAZ	D001, D002	Pilot Lab	CLEAN HAR	CH147710	INCIN	4-May-01	0	356	356	356	0	0	689	NYG2633418		
-	9 WASTE N-BUT	HAZ	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	689	NYG2633418	C HARBORS	
	A MARTE ACEMAETU	1143	F002, F003, D021,	1 -6	OLEAN THE	011404000	MOIN	4 14 44	_	500	200		^	_	000	NVCCCCC	0.114=====	
	4 WASTE ACE/METH	HAZ	D022	Lab	CLEAN HAR	CH124262	INCIN	4-May-01	0	806	806	806	0	0	689	NYG2633418		+
	1 WASTE TOLUENE 2 WASTE SOLID	HAZ HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	11-May-01	0	2,075	15,004	15,004	0	0 5000	690	MDC0727125		
			F002	HEGCL	CALGON CARB	CAN2542R		14-May-01	0	5,000	5,000	0	0	5000	691	NYB5565141		
	2 WASTE SOLID	HAZ	F005	Plant	CALGON CARB	CAN2543R	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	691	NYB5565141		<u> </u>
	1 WASTE SOLID PCF	HAZ	1	PNBC	CLEAN HAR	CH183164	INCIN	16-May-01	0	354	354	354	0	0	692	NYG2633653		
	8 WASTE AVANEL	NON	NA NA	AVANEL	ENSCO	1309281		21-May-01		34,900	34,900	34,900	0	0	693	NA	HAZMAT	
1	6 WASTE AVANEL	NON	NA FOOT BOOM	AVANEL	ENSCO	1309281		21-May-01		9,315	9,315	9,315	0	0	694	NA	HAZMAT	
	1 WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B		30-May-01	5000	36,154	36,154	36,154	0	0	695	MDC0727128		
	1 WASTE LOW ORGANIC	NON	NONE	BUCL	DUPONT	WTS17459	TREATED		4500	37,485	37,485	0	37485	0	696	WTS001113		
' —	1 WASTE LOW ORGANIC	NON	NONE	BUCL	DUPONT	WTS17459	TREATED	12-Jun-01	2500	20,825	20,825	0	20825	0	697	WTS001113	FRANKS VAC	_
	4 WASTE SOLID DIMETLI	1147	D000			011400400			_				_			0.		
	1 WASTE SOLID DIMETH	HAZ		Amide Chloride	CLEAN HAR	CH183160	INCIN	15-Jun-01	0	223	223	223	0	0	698	CTF0998731	C HARBORS	
1	NACTE COLID DECL		F002, F003, F005,	DTO		011100171		45 1 04	•	-47					000	075000704		
	2 WASTE SOLID PTSI	HAZ	D021	PTSI	CLEAN HAR	CH183171	INCIN	15-Jun-01	0	517	517	517	0	0	698	CTF0998731		
	8 WASTE CHLOROBTUA	HAZ	D001	BUCL	CLEAN HAR	CH156186	INCIN	15-Jun-01	0	2,104	2,104	2,104	0	0	699	NYG2634642		
	6 WASTE FLAMABLE LIQ	HAZ	F003, D001	PHCF	CLEAN HAR	CH183161	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	699	NYG2634642	C HARBORS	
	3 WASTE FLAMABLE LIQ	HAZ	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	15-Jun-01	0	1,371	1,371	1,371	00	0	699	NYG2634642	C HARBORS	
	CHACTE COLID AGENIET	110-	F002, F003, F005,	1 - 6		011404000	nioni I	45 1 . 04	_	4 204	4 004				000	****		
	6 WASTE SOLID ACE/MET	HAZ	D021, D002	Lab	CLEAN HAR	CH124262	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	699	NYG2634642		
	7 PTSI RESIDUE	NON		PTSI	CLEAN HAR	CH124261	INCIN	15-Jun-01	0	4,108	4,108	4,108		<u> </u>	700	OHD009865825		
	1 Speedy Dry/Calcium Chl.	NON		Plant	CLEAN HAR	CH183162	INCIN	15-Jun-01		321	321	321			700	OHD009865825		
	5 TOXIC LIQUID ORGANIC	NON		PNBC	CLEAN HAR	CH147741		15-Jun-01	0	2,026	2,026	2,026			701	ILVA10083	C HARBORS	
	1 NON REGULATED MAT	NON	 	Plant	CLEAN HAR	CH124302		15-Jun-01	0	610	610	610			701	ILVA10083	C HARBORS	-
	2 NON REGULATED MAT 5 WASTE ACETONE	NON HAZ	F003, D001		CLEAN HAR	CH124268	INICINI	15-Jun-01	0	806	806	806	0	+	702	WCVA10081		
	4 WASTE BUTYRIC POH	HAZ	D001, D002			CH147750	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	703	MAQ031369 MDC0897594		1
	5 WASTE SOLID CORR	HAZ	NONE		CLEAN HAR	CH156189	INCIN	15-Jun-01	0	5,895 627	5,895	5,895	U	0	704 704	MDC0897594		+
	1 WASTE TOLUENE/CB		F005, D001, D021		CLEAN HAR CLEAN HAR	CH156190 CH156194	INCIN	15-Jun-01 15-Jun-01	0	442	627 442	627 442	0	0		MDC0897594		+
	2 WASTE POH	HAZ	D001		CLEAN HAR	CH183013		15-Jun-01 15-Jun-01	0	804	804	804	0	0		MDC0897595		
	- WAGE TOTAL	1174	F002, F003, F005,	INDO	OLEVIA UVK	011103013	INCIN	10-Juli-01	<u> </u>	504	004	304		 	103	141000001000	CHARDORS	+
1	WASTE ACETONE	HAZ	D001	Plant	CLEAN HAB	CH183167	INCIN	15 Jun 04	0	698	609	600	0	0	705	MDC0897595	CHABBODS	
	1 WASTE PROPANOL/ME	HAZ	F002, D001		CLEAN HAR CLEAN HAR	CH183167		15-Jun-01 15-Jun-01	0	610	698 610	698 610	0	0		MDC0897595		+
	1 WASTE PROPANOLIME	HAZ	D001, D021		CLEAN HAR	CH156187		15-Jun-01	0	469	469	469	0	0		MDC0897596		
	I WASTE CHEOKOBEN	IIAL	0001, 0021	FISI	CLEAN HAR	CH130101	INCIN	15-3011-01	<u> </u>	409	409	409		 	700	IVIDC0097590	C HARBORS	-
			F002, F003, F005,													1		
	I WASTE BENZYL /METH	HAZ	D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	15-Jun-01	0	464	464	464	0	0	706	MDC0897596	C HYBBOSS	
	1 WASTE MCB	HAZ	D001, D021, D022		CLEAN HAR	CH124209 CH124412		15-Jun-01 15-Jun-01	0	425	404	404	0	0		MDC0897596		
	1 WASTE DIMETHY/BUT	HAZ	D001, D021		CLEAN HAR	WTS1294			0	30,380	4∠5 30,380	30,380	0	0		NYG2975643		+
	1 WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169B		21-Jun-01	5000	36,154				 		MDC0727129		+
	2 HAZ WASTE SOLID	HAZ	F005, D001		CALGON CARB	CAN 2542r	TREATED	22-Jun-01	0	5,000	36,154 5,000	36,154 0	0	0		PA9549820		+
	WASTE FLAM LIQUIDS	HAZ	F002 F005, D001		CLEAN HAR	CH1837898		26-Jul-01	3100	3,000	5,000		0	0		MDC0891966		
	I WASTE FLAW LIQUIDS	HAZ	D005, D001		CLEAN HAR	CH183013		27-Jul-01	0	314	314	314	0	0		MDC0891966		
		11/2/	ו טטטו	INDC	JULEAN HAK	1011103013	INCHA	21-JUI-UI	U	ı J।4+ I	314	J14	U .	ı	7 1 1	JARI ROOOGIAL	O HARDORS	_
	WASTEELQTOIT											T		1				1
			F002, F003, F005,		CI FANI HAD					2 102	2 400	2 102	0		711	MDC0904077	CHARRORS	
	WASTE LIQ ACETONE WASTE TOLUENE	HAZ HAZ		Plant	CLEAN HAR	CH183167 CH183169	INCIN	27-Jul-01 27-Jul-01	0	3,192 751	3,192 751	3,192 751	0	0	711 711	MDC0891977 MDC0891977		

Re	v	2-Jan-02																	
<u> </u>	•	WASTE	HAZ/	EPA	PROCESS	1		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	· · · · · · · · · · · · · · · · · · ·	TONS PER
່ໍ ເ	TY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
•	٠٠٠ ا	DESCRIPTION	NOR	CODES	WASTE	1001	CODE	III THOO	DAIL	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	HAULEN	CATEGORI
\vdash	10	WASTE FLAM LIQUIDS	HAZ	D001, D021	WASIE	CLEAN HAR	CH154633	INCIN	27-Jul-01	gais 0	463	463	463	0	0	711	MDC0891977	CHARRORR	+
<u> </u>		WASTE CHLOROBEN	HAZ	D001, D021		CLEAN HAR	CH154636	INCIN	27-Jul-01	0	1.018	1.018	1,018	0	0	712	MDC0891977		
\vdash		WASTE LIQ BZOH	HAZ	D001, D021	BCF	CLEAN HAR	CH154629	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	MDC0891975		
\vdash		WASTE CIQ BZOH	HAZ	F005	BUT		CH154630	INCIN	27-Jul-01	0	3,257	3,237	327	0	0	712	MDC0891975		
-	_		HAZ	D003, D021	PTSI	CLEAN HAR	CH156193	INCIN	27-Jul-01	0		210	210	0	0	712	MDC0891975		
-		WASTE WATER REACTIVE		D003, D021	P131	CLEAN HAR					210		210	<u> </u>	<u> </u>	713			
	$\overline{}$	WASTE CORROSIVE SOL	NON			CLEAN HAR	CH154631		27-Jul-01	0	64	0	 				SGVA1008		
		WASTE CORROSIVE SOL	NON	<u></u>		CLEAN HAR	CH154627		27-Jul-01	0	3,111	0	+			713		C HARBORS	
-		NON REGULATED MAT	NON			CLEAN HAR	CH154634	STORAGE		0	469	0	+		ļ	713	SGVA1008		
-	_	NON REGULATED MAT	NON			CLEAN HAR	CH124261		27-Jul-01	0	1,799	0	+		·	714	BRVA1008		
-	-	NON REGULATED MAT	NON	NONE		CLEAN HAR	CH183162		27-Jul-01	0	226	1,352	4.250			714	BRVA1008		ļ
1	4	WASTE SOLID	HAZ	NONE	·	CLEAN HAR	CH183165	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	MDC0891976	C HARBORS	<u> </u>
				E002 E002 E00E															
	4	MARKET EL AMALIOLUS	1147	F002, F003, F005,	1 -1-	0.544.445	011404000	INCIN	07 1.104	۱ ۾	450	450	450	•		745	MDOOGOADZO		
		WASTE FLAM LIQUID	HAZ	D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	27-Jul-01	0	459	459	459	0	0	715	MDC0891976		ļ
-		WASTE FLAM LIQUID	HAZ	F002, D001, D021	401	CLEAN HAR	CH124??	INCIN	27-Jul-01	0	408	408	408	0	0	715	MDC0891976		
\vdash	22	WASTE DMF	HAZ	D001	ACL	CLEAN HAR	CH131343	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	MAM890923	C HARBORS	1
	ا۔	MACTE COLUD		F002, F003, F005,			011101000	1410	07 1 1 7 1	_		65.4	55,	^] _ [710	MANAGES		
\vdash	- 5	WASTE SOLID	HAZ	D021, D022	Lab	CLEAN HAR	CH124262	INCIN	27-Jul-01	0	851	851	851	0	0	716	MAM890923	C HARBORS	ļ
l	ا	WARTE DECL ASSESSED	l	F002, F003, F005,		L								_	_				
		WASTE PTSI ACETONE	HAZ	D021	PTSI	CLEAN HAR	CH183171	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	CTF0975457		
<u> </u>	$\overline{}$	NON REGULATED OIL	NON		Plant	CLEAN HAR	CH124268	INCIN	27-Jul-01	0	410	0	0	0	0	717	CTF0975457	C HARBORS	
_	-	WASTE CAUSTIC LIQ	HAZ	D002, D005	Plant	CLEAN HAR	CH183156		27-Jul-01	0	497	497	0	0	0	718	NYG2635272		L
<u> </u>		WASTE LIQUID	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	27-Jul-01	0	402	402	402	0	0	718	NYG2635272		<u> </u>
	_	WASTE FLAM LIQUID	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	27-Jul-01	0	1,782	1,782	1,782	00	0	719	MDC0860270		
	_	WASTE SOLID	HAZ	F002, F005	Plant	ENVIROTROL	vanchemnyww		27-Jul-01	0	42,000	42,000	0	0	42000	720	PAG311692		
	_	NON REGULATED MAT	NON			CLEAN HAR	CH124266	INCIN	30-Jul-01	2665				0	0	721	OHD000724153		
	$\overline{}$	WASTE LIQUID MCB, TOL	HAZ	F002, F005, D021	L-1111	CLEAN HAR	CH183179B	INCIN		0	20,560	20,560	0	00	0	722	NYG3081015		
<u> </u>	$\overline{}$	WASTE ACE/CHLORIDE	HAZ	U006	Lab	CLEAN HAR	JEN-001	INCIN	9-Aug-01	0	10	10	10	00	0	723	IL9259235	C HARBORS	
I_	_	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-002	INCIN	9-Aug-01	0	41	41	41	0	0	723	IL9259235	C HARBORS	
_	_	WASTE OXIDIAING LIQ	HAZ	D001, D002, D008	Lab	CLEAN HAR	JEN-005	TREATED		0	6	6	0	0	0	723	IL9259235	C HARBORS	
· -		WASTE BCF	HAZ	D003, D002	Lab	CLEAN HAR	JEN-007	INCIN	9-Aug-01	0	35	35	35	0	0	723	IL9259235	C HARBORS	
		WASTE FLAM LIQUID	HAZ	D002, D001	Lab	CLEAN HAR	JEN-008	INCIN	9-Aug-01	0	16	16	16	0	0	723	IL9259235	C HARBORS	
		WASTE TOXIC LIQUID	HAZ	F002, D002	Lab	CLEAN HAR	JEN-009	INCIN	9-Aug-01	0	11	11	11	00	0	723	IL9259235	C HARBORS	
		WASTE ALLYL ALCOHO	HAZ	P005, D001	Lab	CLEAN HAR	JEN-010-015	INCIN	9-Aug-01	0	10	10	10	00	0	723	IL9259235	C HARBORS	
		WASTE CORROSIVE LIQ	HAZ	D002, D001	Lab	CLEAN HAR	JEN-011	INCIN	9-Aug-01	0	22	22	22	0	0	723	IL9259235	C HARBORS	
	1	WASTE PHENOL SOL	HAZ	U188	Lab	CLEAN HAR	JEN-012	INCIN	9-Aug-01	0	14	14	14	0	0	723	IL9259235	C HARBORS	
	-	WASTE CORROSIVE SOL	HAZ	D003, D001	Lab	CLEAN HAR	JEN-013	INCIN	9-Aug-01	0	8	8	8	0	0	723	IL9259235	C HARBORS	
		WASTE SODIUM SULF	HAZ	D003	Lab	CLEAN HAR	JEN-014	INCIN	9-Aug-01	0	12	12	12	0	0	723	IL9259235	C HARBORS	
<u> </u>	_	WASTE FLAM LIQUID	HAZ	P022, D001	Lab	CLEAN HAR	JEN-016	INCIN	9-Aug-01	0	6	6	6	0	0	723	IL9259235	C HARBORS	
	1	WASTE FLAM LIQUID	HAZ	U079	Lab	CLEAN HAR	jen-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
	_	WASTE CHLOROFORM	HAZ	D002, D001	Lab	CLEAN HAR	JEN-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
		WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-019	INCIN	9-Aug-01	0	7	7	7	0	0	723	IL9259235	C HARBORS	
		WASTE METHYL CF	HAZ	U156, D002	Lab	CLEAN HAR	JEN-020-023	INCIN	9-Aug-01	0	28	28	28	0	0	723	IL9259235	C HARBORS	
		WASTE METHYL CHLO	HAZ	D001	Lab	CLEAN HAR	JEN-024	TREATED	9-Aug-01	0	4	4	0	0	0	723	IL9259235	C HARBORS	
	-	POTASSIUM HYDROX	NON			CLEAN HAR	jen-003		9-Aug-01	0	14	0	14			724	ILD000608471	DART]
		FLAM SOLID ORGANIC	NON			CLEAN HAR	jen-004		9-Aug-01	0	12	0	12			724	ILD000608471	DART	
		CORROSIVE SOLID ACID	NON		Lab	CLEAN HAR	jen-005		9-Aug-01	0	6	0	6			724	ILD000608471	DART	
	_	WASTE NON REGULATE	NON			CLEAN HAR	CH154640	INCIN	15-Aug-01	4464	0	0	4,464	0	0	725	VA1008CL	BUFFALO FUEL	
		WASTE NON REGULATE	NON			CLEAN HAR	CH154645	INCIN	16-Aug-01	4773	0	0	4,773	0	0	726	D2352893	BUFFALO FUEL	
		WASTE NON REGULATE	NON			CLEAN HAR	CH154645		23-Aug-01	5200		0	5,200	0	0	727	OHD000724153	BUFFALO FUEL	
		WASTE NON REGULATE	NON			CLEAN HAR	CH145645		23-Aug-01	5116	0	0	5,116	0	0	728	D2354425	BUFFALO FUEL	
	-	WASTE NON REGULATE	NON			CLEAN HAR	CH145645	INCIN	23-Aug-01	5516	0	0	5,516	0	0	729	D2354425	BUFFALO FUEL	
	1	WASTE NON REGULATE	NON			NOCO	nonpcbtrans		24-Aug-01	0	8,000	0				730		NOCO	
				F002, F003, F005,															1 7
		WASTE SOLID PTSI ACE	HAZ	DO21		CLEAN HAR	CH183171	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	CTF0999168	C HARBORS	
	5	WASTE SOLID CLOR TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183279		31-Aug-01	0	2,590	2,590				732	NYG2000592	C HARBORS	
				F002, F003, F005,				1			1								
	7	WASTE SOLID ACE MET	HAZ	D021, D022		CLEAN HAR	CH124262	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	IL9351544	C HARBORS	
	2	WASTE SOIL	NON		Plant	CLEAN HAR	CH124302	INCIN	31-Aug-01	0	635	0	635	0	0	733	IL9351544	C HARBORS	
	6	SOLID CONT LIQUIDS	NON			CLEAN HAR	CH183164		31-Aug-01	0	2,635	0	2,635	0	0	734	VA008831	C HARBORS	
	1	WASTE NON REGULATE	NON			CLEAN HAR	CH154640	ļ	31-Aug-01	0	386	0	386	0	0	734	VA008831	C HARBORS	
		WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	31-Aug-01	0	1,296	1,296	1,296	0	0	735	MDC0903646	C HARBORS	1
		WSTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275		31-Aug-01	0	459	459	459	0	Ö		MDC0903646		
		WSTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH154629		31-Aug-01	0	4,747	4,747	4,747	0	0		MDC0903646		
L				•		· · · · · · · · · · · · · · · · · · ·		,		-			·						

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	R	v	2-Jan-02																	
WASTER LOUID WASTE COLOR STAND COLOR STAND COLOR COL			WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE		TONS PER
WASTE FLAM LICUID NO. WASTE CODE No. WASTE CODE CHAPTER CODE CHAPTER CODE CHAPTER CODE CODE CHAPTER CODE CODE CHAPTER CODE CODE CHAPTER CODE CODE CHAPTER CODE COD		YTÇ	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL		WT	wr I	WT	RECOVERY	DOC		HAULER	CATEGORY
The First Flam (2000) Sept. Control of						WASTE		CODE			gals	1	•	lbs	lbs	lbs	NUM	NUM		
SEET PART LIGHT FOOL FROM COLUMN	-	1	WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR		INCIN	31-Aug-01					0				C HARBORS	
WINTE FLAM LIQUIDS ACE MAZ D007 C162-MAR C1618507 MRCN 3/4-Mag 01 0 326 236 355 C 0 726 M00000000000 244-MAR C1618507 MRCN 3/4-Mag 01 0 3/4 3/4 0 0 726 M00000000000000000000000000000000000			···					-	,			 	1		•	 		1		
2007F FAMILOUNDEST 142 762 F001		1	WSTE FLAM LIQUID ACE	HAZ	1 ' '		CLEAN HAR	CH183167	INCIN	31-Aug-01	0	335	335	335	0	0	736	MDC0903645	C HARBORS	
WASTE FLAM LIQUID SOF Haz D031 D071 D072 D071 D072 D071 D072 D071 D072 D071 D072 D071 D072 D071 D072 D071 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072 D072															0					
MOSTE FLAN LIQUID SEP MAZ DOCG, FOOL FOOL PRICE CALVERIAN CALVERS CALVER					3							1	.,	,						
THOSE FLANT LOUD PORT REZ. DEOT PRISC CLEM MAR CHILD/2013 STANQ DO 0 0 757 WATER STAND CHILD/2013 STANQ DO 0 2,000 0 777 WATER STAND CHILD/2013 CHILD/2013 STANQ DO 0 2,000 0 777 WATER STAND CHILD/2013 C	ı	ľ		ĺ	F003, D001, D021,		1		1	i		1	1	1 1		i i		1 1		i !
TWENTE FAMIL DOUBLE POINT 1002		- 1	WSTE FLAM LIQUID BCF	HAZ	D022, F002, F005	BCF	CLEAN HAR	CH124269		31-Aug-01	0	426	426				736	MDC0903645	C HARBORS	
ADMIT ROWN REQUIATE NOW Pink DEMANUE CHISTISE 314-app 10 2,264 0 777 VACOBBS 244-8055 244-		1	WSTE FLAM LIQUID POH	HAZ	D001						0		+				736	MDC0903645	C HARBORS	
EMMSTER DATA REGULATE NON							CLEAN HAR				0					1				
SAMSTER NOT RECOLLATE NOW Area Contrate SECURITY SAMSTER NOT		8	WASTE NON REGULATE	NON			CLEAN HAR		1		0		0				737		C HARBORS	
SAMSTERSOLID HAZ F002, F003 SAMSTERSOLID			<u> </u>							T										
1 MASTE PLAN LIQUID MAZ D001, D002 CIRALYSIN CIRCUMS		23	WASTE NON REGULATE	NON		Amide Chloride	CLEAN HAR	CH183010		31-Aug-01	0	9,775	0				738	VA1008829	C HARBORS	
1 MASTE PLAN LIQUID MAZ D001, D002 CIRALYSIN CIRCUMS		5	WASTE SOLID	HAZ	F002, F005,	. ".	ENVIROTROL	vanchemnyww	RECYCLE		0		30,000	0	0	30000	739	PA9549805		
THASTE TOLLINE		1	WASTE FLAM LIQUID	HAZ	D001, D002		CLEAN HAR				0	287	287	287	0	0	740	CTF0829916	C HARBORS	
MONTE FLAM LICUID HAZ FOOS, DOOT CLEAN MAR CHILDRAN HAND 20-58-01 0 11-88		1	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR		INCIN		0	234	234	234	0	0	741	MDC0894881		
BASE EDITI ACE MET MAX. POIR, FOOK, BOTTON, COLOR CLEAN HAR CHISCORD LIKEN COLOR				HAZ							0				0	0	741			
B MASTE SQUID ACE MET HAZ 0021 D022 CLEANING CH124282 NCIN 20-Sep-01 0 1,783 1,793 1,793 0 0 7.71 IMDORESSES CLEANING CH12478 1,793					F002, F003, F005.							1								
3 MASTEL EQ CHLTOL HAZ FOOL FOOL CLEAN HOR CH18479 MCN 20 Sept 0 143 1413 0 0 0 741 MOCREBARES CHARGORS		6	WASTE SOLID ACE MET	HAZ			CLEAN HAR	CH124262	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	MDC0894881	C HARBORS	1
THON RECOMMERNAL NON				HAZ							0				0	0				
SHON REG MATERIAL NON CLEAN HAR CH145/68 29.5 sp.01 0 2.946 0 0 0 0 7/42									1				<u> </u>		0	0				
THON REG MATERIAL NON CLEAM HAR CH15/4645 20,5 ep.01 0 4,008 0 743 MODRIBOSHIS CHARRORS														0	0					
BINON REG MATERIAL NON CLEANING CH197868 29 Sep 01 0. 4768 0 773 NOD009695818 CIANGOORS							CLEAN HAR					, , , , , , , , , , , , , , , , , , , ,				1		MDD980555189	C HARBORS	
1 NON REG MATERIAL NON CLEAN HAM CHI2213 20 Sep 01 0 272 0 773 MOD08069589 CHARDORS		6	NON REQ MATERIAL	NON			CLEAN HAR	CH157808		20-Sep-01	0	4,068	0	1			743	MDD980555189	C HARBORS	
COMBUSTABLE UQUID NON		1	NON REQ MATERIAL	NON			CLEAN HAR	CH122213		20-Sep-01	0	272	0				743	MDD980555189	C HARBORS	
3 NON REC MATERIAL NON OLEMHAR CH182462 20-5ep.01 0 739 0 744 MODROSS 199 CHARRORS 1.50,010 CALANHAR CH183462 20-5ep.01 0 739 0 740 MODROSS 199 CHARRORS CHARRORS CALANHAR CH184462 20-5ep.01 0 739 0 740 MODROSS 199 CHARRORS CHARRORS CALANHAR CH184462 20-5ep.01 0 740 CALANHAR CH18446 CH18466 CH18446			COMBUSTABLE LIQUID	NON			CLEAN HAR			20-Sep-01	0		0				744	MDD98055189	C HARBORS	
2 NON REQ MATERIAL NON											0	1,644	0				744	MDD98055189	C HARBORS	
GIMASTE DEA		2	NON REQ MATERIAL	NON			CLEAN HAR	CH183462			0		0				744	MDD98055189	C HARBORS	
MASTE CHILOROBENZ		1	SOLID CONT LIQUIDS	NON			CLEAN HAR	CH1		20-Sep-01	0	60	0			 	744	MDD98055189	C HARBORS	
IWASTE POM HAZ DODI DOZI CLEAN HAR CH1681018 INCIN 20-Sep-01 0 575 575 0 0 745 MDC0894892 CHARRONS		6	WASTE DEA	HAZ	D001		CLEAN HAR	CH131343	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	MDC0894882	C HARBORS	
NASTE FOAL HAZ DOI! CLEAN HAR CHIB3013 INCIN 20-Sep-01 0 3,782 3,782 0 0 746 MDC0894882 CHARGORS	_	1	WASTE CHLOROBENZ	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	20-Sep-01	0			575	0	0	745	MDC0894882	C HARBORS	
3 WASTE ACETONE	, -	10	WASTE POH	HAZ	D001		CLEAN HAR		INCIN		0	3,782			0	0	745	MDC0894882		
3 WASTE ACETONE					F002, F003, F005,						· · · · · · · · · · · · · · · · · · ·		,	, i					···	
I WASTE FLAM LIQUID	-	3	WASTE ACETONE	HAZ	D001		CLEAN HAR	CH183167	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	MDC0894882	C HARBORS	
I WASTE FLAM LIQUID													•							
1 WASTE FLAM LIQUID					F002, F003, F005,]		1				
1 WASTE FLAM LIQUID	- 1	1 1	WASTE FLAM LIQUID	HAZ	D001, D021, D022		CLEAN HAR	CH124269	INCIN	20-Sep-01	0	446	446	446	0	0	746	MDC0894883	C HARBORS	
2 WASTE FLAM LIQUID		11	WASTE FLAM LIQUID	HAZ			CLEAN HAR	CH124271	INCIN	20-Sep-01	0	304	304	304	0	0	746	MDC0894883	C HARBORS	
6 WASTE FAULUQID HAZ F002, F005 CLEAN HAR RECYCLE 25-Sep-01 0 36,000 36,000 0 0 36000 747 748 MDC0902940 CHARBORS		1	WASTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	20-Sep-01	0	475	475	475	0	0	746	MDC0894883	C HARBORS	
1 WASTE FLAM LIQUID HAZ F005, D001 CLEAN HAR CH183169 INCIN 28-Sep.01 6221		2	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275	INCIN	20-Sep-01	0	854	854	854	0	0	746	MDC0894883	C HARBORS	
WASTE FLAM LIQUID	Ĺ	6	WASTE SOLID TOLUENE	HAZ	F002, F005		CLEAN HAR		RECYCLE	25-Sep-01	0	36,000	36,000	0	0	36000	747	PAX9549794	C HARBORS	
1 WASTE DIOXANE		1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN								748			
WASTE DIOXANE											4350	31,200	31,200	31,200	0	0				
WASTE DIOXANE							CLEAN HAR				0		38	38	0	0	750			
1 WASTE FLAM LIQUID				HAZ				CH147739	INCIN	10-Oct-01	0			98	0		750			
1 WASTE FLAM LIQUID		2 \	WASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww	RECYCLE	12-Oct-01	0	12,000	12,000	0	0	12000	751	PAX9549772	AUTUMN IND	
1 WASTE FLAM LIQUID																				
1 WASTE FLAM LIQUID															0	0	753			
1 WASTE SOLID							CLEAN HAR		4						0	0				
VASTE FLAM LIQUID								CH157821	INCIN		3394		33,401	33,401	0					
## WASTE FLAM LIQUID HAZ D001, D021, D022 SPRING GROVE CH124269 INCIN 2-Nov-01 0 411 411 0 0 0 758 NYG2001402 CHARBORS											0									
4 WASTE FLAM LIQUID HAZ D001, D021, D022 SPRING GROVE CH124289 INCIN 2-Nov-01 0 411 411 0 0 758 NYG2001402 C HARBORS 3 WASTE FLAM LIQUID HAZ D001, D021 SPRING GROVE CH124412 INCIN 2-Nov-01 0 1,492 1,492 0 0 758 NYG2001402 C HARBORS 2 WASTE FLAM LIQUID HAZ F002, D001, D021 SPRING GROVE CH131275 INCIN 2-Nov-01 0 908 908 0 0 758 NYG2001402 C HARBORS 4 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 908 908 0 0 758 NYG2001402 C HARBORS 2 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 1,826 1,826 1,826 0 0 758 NYG2001402 C HARBORS 2 WASTE CB HAZ D001, D021		2 \	WASTE SOLID	HAZ	F002		CALGON CAR	CAN2542	RECYCLE	31-Oct-01		5,000	5,000	0	0	5000	757	PAX9549750	HAZMAT	
4 WASTE FLAM LIQUID HAZ D001, D021, D022 SPRING GROVE CH124289 INCIN 2-Nov-01 0 411 411 0 0 758 NYG2001402 C HARBORS 3 WASTE FLAM LIQUID HAZ D001, D021 SPRING GROVE CH124412 INCIN 2-Nov-01 0 1,492 1,492 0 0 758 NYG2001402 C HARBORS 2 WASTE FLAM LIQUID HAZ F002, D001, D021 SPRING GROVE CH131275 INCIN 2-Nov-01 0 908 908 0 0 758 NYG2001402 C HARBORS 4 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 908 908 0 0 758 NYG2001402 C HARBORS 2 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 1,826 1,826 1,826 0 0 758 NYG2001402 C HARBORS 2 WASTE CB HAZ D001, D021		1																		
3 WASTE FLAM LIQUID HAZ D001, D021 SPRING GROVE CH124412 INCIN 2-Nov-01 0 1,492 1,492 0 0 0 758 NYG2001402 C HARBORS 2 WASTE FLAM LIQUID HAZ F002, D001, D021 SPRING GROVE CH131275 INCIN 2-Nov-01 0 908 908 908 0 0 0 758 NYG2001402 C HARBORS 4 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 1,826 1,826 1,826 0 0 0 758 NYG2001402 C HARBORS 2 WASTE CB HAZ D001, D021 SPRING GROVE CH154636 INCIN 2-Nov-01 0 994 994 994 0 0 0 759 NYG2001411 C HARBORS 2 WASTE PNBC HAZ F003, D001 SPRING GROVE CH183011 INCIN 2-Nov-01 0 656 656 656 0 0 0 759 NYG2001411 C HARBORS 6 WASTE POH HAZ D001 SPRING GROVE CH183013 INCIN 2-Nov-01 0 2,715 2,715 2,715 0 0 759 NYG2001411 C HARBORS 8 WASTE TOLUENE HAZ F005, D021 SPRING GROVE CH183169 INCIN 2-Nov-01 0 2,809 2,809 2,809 0 0 759 NYG2001411 C HARBORS 7 WASTE SOLID ACE/M HAZ D021, D022 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 2,672 0 0 0 760 NYG2001393 C HARBORS		[l .														[
2 WASTE FLAM LIQUID HAZ F002, D001, D021 SPRING GROVE CH131275 INCIN 2-Nov-01 0 908 908 908 0 0 0 758 NYG2001402 C HARBORS 4 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 1,826 1,826 0 0 0 758 NYG2001402 C HARBORS 2 WASTE CB HAZ D001, D021 SPRING GROVE CH154636 INCIN 2-Nov-01 0 994 994 994 0 0 0 759 NYG2001411 C HARBORS 2 WASTE PNBC HAZ F003, D001 SPRING GROVE CH183011 INCIN 2-Nov-01 0 656 656 656 0 0 0 759 NYG2001411 C HARBORS 6 WASTE POH HAZ D001 SPRING GROVE CH183013 INCIN 2-Nov-01 0 2,715 2,715 2,715 0 0 0 759 NYG2001411 C HARBORS 8 WASTE TOLUENE HAZ F005, D021 SPRING GROVE CH183169 INCIN 2-Nov-01 0 2,809 2,809 2,809 0 0 0 759 NYG2001411 C HARBORS 1 NYG2001411 NYG2001411 C HARBORS 1 NYG2001411 C HARBORS 1 NYG2001411 C HARBOR	\perp																			
4 WASTE FLAM LIQUID HAZ D001 SPRING GROVE CH154629 INCIN 2-Nov-01 0 1,826 1,826 0 0 758 NYG2001402 C HARBORS 2 WASTE CB HAZ D001, D021 SPRING GROVE CH154636 INCIN 2-Nov-01 0 994 994 0 0 759 NYG2001411 C HARBORS 2 WASTE PNBC HAZ F003, D001 SPRING GROVE CH183011 INCIN 2-Nov-01 0 656 656 0 0 759 NYG2001411 C HARBORS 6 WASTE POH HAZ D001 SPRING GROVE CH183013 INCIN 2-Nov-01 0 2,715 2,715 0 0 759 NYG2001411 C HARBORS 8 WASTE TOLUENE HAZ F005, D021 SPRING GROVE CH183169 INCIN 2-Nov-01 0 2,809 2,809 0 0 0 759 NYG2001411 C HARBORS 7 WASTE SOLID ACE/M HAZ D021, D022 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 0 0																				
2 WASTE CB							SPRING GROVE		INCIN		0			908	0					
2 WASTE PNBC HAZ F003, D001 SPRING GROVE CH183011 INCIN 2-Nov-01 0 656 656 0 0 0 759 NYG2001411 C HARBORS 6 WASTE POH HAZ D001 SPRING GROVE CH183013 INCIN 2-Nov-01 0 2,715 2,715 2,715 0 0 759 NYG2001411 C HARBORS 8 WASTE TOLUENE HAZ F005, D021 SPRING GROVE CH183169 INCIN 2-Nov-01 0 2,809 2,809 2,809 0 0 759 NYG2001411 C HARBORS F002, F003, F005, HAZ D021, D022 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 2,672 0 0 0 760 NYG2001393 C HARBORS		-									0									
6 WASTE POH HAZ D001 SPRING GROVE CH183013 INCIN 2-Nov-01 0 2,715 2,715 0 0 0 759 NYG2001411 C HARBORS 8 WASTE TOLUENE HAZ F005, D021 SPRING GROVE CH183169 INCIN 2-Nov-01 0 2,809 2,809 0 0 0 759 NYG2001411 C HARBORS F002, F003, F005, F005, F005, F005, D021 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 2,672 0 0 0 760 NYG2001393 C HARBORS											0									
8 WASTE TOLUENE HAZ F005, D021 SPRING GROVE CH183169 INCIN 2-Nov-01 0 2,809 2,809 0 0 0 759 NYG2001411 C HARBORS F002, F003, F005, T WASTE SOLID ACE/M HAZ D021, D022 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 2,672 0 0 760 NYG2001393 C HARBORS																				
7 WASTE SOLID ACE/M HAZ D021, D022 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 2,672 0 0 760 NYG2001393 C HARBORS	١								INCIN		0		2,715							
7 WASTE SOLID ACE/M HAZ D021, D022 CLEAN HAR CH124262 INCIN 2-Nov-01 0 2,672 2,672 0 0 760 NYG2001393 C HARBORS		8 \	WASTE TOLUENE	HAZ			SPRING GROVE	CH183169	INCIN	2-Nov-01	0	2,809	2,809	2,809	0	0	759	NYG2001411	C HARBORS	
	1	T																T		
3 WASTE SOLID MCB HAZ F002, F005, D021 CLEAN HAR CH131345 INCIN 2-Nov-01 0 891 891 0 0 760 NYG2001393 C HARBORS											0		2,672		0					
	L	3\	WASTE SOLID MCB	HAZ	F002, F005, D021		CLEAN HAR	CH131345	INCIN		0	891	891	891	0	0	760	NYG2001393	C HARBORS	

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## 4/WASTE FLAM LIQUID HAZ FOOD, DOOS SPRING GROVE CHIRAST NCIN 2-Nov-01 0 1,616 1,616 0 0 761 MDC0003422 CARRBORS 1 WASTE SOLID PCF HAZ DOC1, DOC2 SPRING GROVE CHIRAST NCIN 2-Nov-01 0 2,960 2,960 2,960 0 0 762 NYG2001422 CARRBORS 1 WASTE SOLID PCF HAZ DOC1 SPRING GROVE CHIRAST NCIN 2-Nov-01 0 2,960 2,960 0 0 762 NYG2001422 CARRBORS 1 WASTE SOLID PCF HAZ DOC1 SPRING GROVE CHIRAST NCIN 2-Nov-1 0 2,260 0 0 763 NYG2001423 CARRBORS 1 WASTE CRETCOLURE HAZ FOOD, DOC1 SPRING GROVE CHIRAST CHIRAST HAD SPRING GROVE	, ,	QTY				GEN	TSDF				VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	TONS PER CATEGORY
11 IMASTE SOLID PTS MAZ D021, D022 SPRING GROVE CH183171 NCN 2-400-01 0 2,990 2,990 2,990 0 0 762 NYC2001429 CHARBORS 11 MASTE SOLID PTS REPRESENTATION NONE SPRING GROVE CH19269 NCN 11 12 112 112 12 0 0 762 NYC2001429 CHARBORS 12 MASTE PTS REPRESENTATION NONE SPRING GROVE CH19269 NCN 2-400-01 0 4,720 0 0 7763 VAC0811291 CHARBORS 29 NON REGULATED MAT NON NONE SPRING GROVE CH19269 NCN 2-400-01 0 4,720 0 0 7763 VAC0811291 CHARBORS 14 MASTE CRATICULENE MAZ F005, D001 CHEAN HAY CH183199 NCN 21-400-01 3690 26,700 26,700 0 7765 NAC0811291 CHARBORS MASTE CRATICULENE MAZ F005, D001 CHEAN HAY CH183179 NCN 21-400-01 3690 26,700 26,700 0 7765 NAC0811291 CHARBORS MASTE CRATICULENE MAZ F005, D001 SPRING GROVE CH183179 NCN 30-Nov-01 0 720 720 720 0 0 7765 NYG2001735 CHARBORS MASTE CRATICULENE MAZ F005, D001 SPRING GROVE CH183167 NCN 30-Nov-01 0 720 720 720 0 0 7765 NYG2001735 CHARBORS MYG2001745 CH48DORS MYG2001747 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 CH48DORS MYG2001745 MYG2001745 MYG2001745 MYG2001		4	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH14592	INCIN	2-Nov-01	0		1,616	1,616	0	0	761		C HARBORS	
1	Г				F002, F003, F005,	***								1						
8 NON REGULATE MAT NON NONE SPRING GROVE CHISSION INCIN 2-Nov-01 0 4,720 0 0 753 VAC0811281 CHARBORS 29 NON REGULATE MAT NON NONE SPRING GROVE CHISSION INCIN 2-Nov-01 3950 78,700 28,700 0 0 753 VAC0811261 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 3950 78,700 28,700 0 0 755 MC0099448 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 3950 78,700 28,700 0 0 755 MC0099448 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 3950 78,700 28,700 0 0 756 MC0099448 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 3950 78,700 28,700 0 0 756 MC0099448 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 72,167 0 0 756 MC0099448 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 72,167 0 0 756 MC0099755 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 72,167 0 0 0 756 MC009755 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 72,167 0 0 0 756 MC009755 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 72,172 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 772 772 772 772 772 772 772 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 772 772 772 772 772 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 772 772 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 772 772 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 773 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 772 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 774 MC000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 774 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 774 MC0000177 CHARBORS 1 VASTE PLAN INCIN 2-Nov-01 0 750 MC000177 CHARBORS 1 VAS				HAZ			SPRING GROVE				0	2,990	2,990	2,990	0	0		NYG2001429	C HARBORS	
29INON REGULATED MAT NON NONE SPRING GROVE CH19101 NCIN 2-Nov-01 0 12:324 0 0 763 NAC0811/261 0 LARBORS 1-NASTE FLAMI LIQUID HAZ F005, D001 CLEAN HAR CH183179 INCIN 30-Nov-01 0 2,167 2,167 0 0 765 NYG2001735 CH480RS 3-NASTE FLAMI LIQUID HAZ F005, D001 SPRING GROVE CH197179 INCIN 30-Nov-01 0 2,167 2,167 0 0 765 NYG2001735 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183179 INCIN 30-Nov-01 0 720 720 720 0 0 765 NYG2001735 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183179 INCIN 30-Nov-01 0 502 502 502 0 0 765 NYG2001735 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183179 INCIN 30-Nov-01 0 502 502 502 0 0 765 NYG2001735 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183171 INCIN 30-Nov-01 0 504 644 644 0 0 0 765 NYG2001735 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183181 INCIN 30-Nov-01 0 504 644 644 0 0 0 765 NYG2001737 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183181 INCIN 30-Nov-01 0 573 573 573 573 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183161 INCIN 30-Nov-01 0 588 888 888 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH183167 INCIN 30-Nov-01 0 463 463 463 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH165167 INCIN 30-Nov-01 0 463 463 463 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH165167 INCIN 30-Nov-01 0 463 463 463 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH165167 INCIN 30-Nov-01 0 463 463 463 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH165167 INCIN 30-Nov-01 0 463 463 463 0 0 767 NYG2001777 CH480RS 1-NASTE FLAMI LIQUID CLEAN HAR CH165167 INCIN 30-Nov-01 0 463 463 463 0 0 767 NYG2001777	L						SPRING GROVE	CH124257			0		112	112	0	0	762			
WASTE CRITOLUENE HAZ F002, F005, D021 CLEAN HAR CH163169 NCIN 21-Nov-01 3560 26,700 26,700 0 0 755 MDC0898448 CHARBORS	<u></u>																			
4 WASTE CBZTOLUENE HAZ FOOZ, FOOS, DO21 CLEAN HAR CH183179 INCIN \$0.Nov-01 0 2,167 2,167 0 0 0 758 NYC2001726 C.HARBORS 3 WASTE ACETONE HAZ FOO3, DO01 SPRING SROVE CH147270 INCIN \$0.Nov-01 0 720 720 720 0 0 756 NYC2001735 C.HARBORS 2 WASTE METTRIETH HAZ FOO3, DO01 SPRING SROVE CH147270 INCIN \$0.Nov-01 0 502 502 502 0 0 0 756 NYC2001735 C.HARBORS 2 WASTE NBI HAZ FOO3, DO01 SPRING SROVE CH162267 INCIN \$0.Nov-01 0 502 502 502 0 0 0 756 NYC2001735 C.HARBORS 2 WASTE NBI HAZ FOO3, DO01 SPRING SROVE CH16267 INCIN \$0.Nov-01 0 176 176 176 0 0 756 NYC2001735 C.HARBORS 1 WASTE CBZPCF HAZ DO11, DO02 SPRING SROVE CH16267 INCIN \$0.Nov-01 0 176 176 176 0 0 756 NYC2001735 C.HARBORS 2 WASTE NBI HAZ DO01, DO02 C.LEAN HAR CH185112 INCIN \$0.Nov-01 0 176 176 176 0 0 756 NYC2001717 C.HARBORS 2 WASTE PIBB HAZ DO01, DO02 C.LEAN HAR CH185112 INCIN \$0.Nov-01 0 176 176 176 0 0 757 NYC2001717 C.HARBORS 1 WASTE NBI HAZ DO01, DO02 C.LEAN HAR CH185167 INCIN \$0.Nov-01 0 470 470 470 0 0 757 NYC2001717 C.HARBORS 2 WASTE ACEMENT HAZ DO01, DO02 C.LEAN HAR CH185167 INCIN \$0.Nov-01 0 463 463 463 0 0 757 NYC2001717 C.HARBORS 2 WASTE ACEMENT HAZ DO02 C.LEAN HAR CH185111 INCIN \$0.Nov-01 0 463 463 463 0 0 757 NYC2001717 C.HARBORS 2 WASTE HOLL HAZ DO02 C.LEAN HAR CH185111 INCIN \$0.Nov-01 0 470 470 470 0 0 758 CTF0825194 C.HARBORS 2 WASTE HOLL HAZ DO02 C.LEAN HAR C.H185111 INCIN \$0.Nov-01 0 1,734 1,734 1,734 0 0 758 CTF0825194 C.HARBORS 2 WASTE PIBBLE WASTE ACEMENT HAZ DO01, DO22 C.LEAN HAR C.H185111 INCIN \$0.Nov-01 0 1,734 1,734 1,734 0 0 758 CTF0825194 C.HARBORS 2 WASTE PIBBLE WASTE ACEMENT HAZ DO01, DO22 C.LEAN HAR C.H185111 INCIN \$0.Nov-01 0 1,734 1,734 1,734 0 0 758 CTF0825194 C.HARBORS 2 WASTE PIBBLE WAS	ļ													_						
3 WASTE ACETONE	<u> </u>	1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183189	INCIN	21-Nov-01	3560	26,700	26,700	26,700	0	0	765	MDC0896448	C HARBORS	<u> </u>
2 WASTE NBIE HAZ D001 SPINIG GROVE CH19220 INCIN 30 Nov-01 0 502 502 502 0 0 766 NYG2001735 CH4800R5											. <u> </u>					0				
2 WASTE NB					, ,															
1 WASTE ENZEPCE											<u>. </u>									
TWASTE NITRILES	-			<u> </u>											<u>-</u>	4				
2 WASTE PRBC					D021	······································										 				
1 WASTE NB	<u> </u>																			
POOZ, FOOZ	<u> </u>				D004 D002															
2 WASTE HCL	-				F002, F003, F005,							1								
FOUZ.FOOS.FOOS. FOOS. CLEAN HAR CH183171 INCIN 30-Nov-01 0 1,734 1,734 0 0 768 CTF0825194 CHARBORS 2 WASTE MCB HAZ D001, D021 CLEAN HAR CH12412 INCIN 30-Nov-01 0 1,013 1,013 1,013 0 0 772 MDC0902826 CHARBORS MWASTE CB HAZ D001, D021 CLEAN HAR CH156168 INCIN 30-Nov-01 0 1,950 1,950 1,950 0 0 772 MDC0902826 CHARBORS MWASTE CB HAZ D001, D021 CLEAN HAR CH156168 INCIN 30-Nov-01 0 430 430 430 0 0 772 MDC0902826 CHARBORS MWASTE BUTTRIC/POH HAZ D001, D021 CLEAN HAR CH156168 INCIN 30-Nov-01 0 608 608 608 0 0 773 MDC0902826 CHARBORS MWASTE BUTTRIC/POH HAZ D001, CLEAN HAR CH156189 INCIN 30-Nov-01 0 608 608 608 0 0 773 MDC0902832 CHARBORS MWASTE POH HAZ D001 CLEAN HAR CH183013 INCIN 30-Nov-01 0 450 450 450 0 0 774 MDC0902832 CHARBORS MWASTE POH HAZ D001 CLEAN HAR CH183013 INCIN 30-Nov-01 0 561 561 561 0 0 774 MDC0902833 CHARBORS MWASTE FOLUENE HAZ D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 561 561 561 0 0 774 MDC0902833 CHARBORS MWASTE TOLUENE HAZ F005, D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 1,459 1,459 1,459 0 0 774 MDC0902833 CHARBORS MWASTE TOLUENE HAZ F005, D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 1,459 1,459 1,459 0 0 774 MDC0902833 CHARBORS MWASTE TOLUENE HAZ F005, D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 1,459 1,459 1,459 0 0 0 774 MDC0902833 CHARBORS MWASTE TOLUENE HAZ F005, D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 1,459 1,459 1,459 0 0 0 774 MDC0902833 CHARBORS MWASTE TOLUENE HAZ F005, F005 EQ RESOURCE J512010TS INCIN 5-De-01 5000 37,500 37,500 37,500 0 0 776 MI8170505 FRANKS VACUUM MWASTE TOLMETHAN HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 1-De-01	<u> </u>															 				
5 WASTE PTSI/ACET	<u> </u>	2	WASTE HCL	HAZ			CLEAN HAR	CH158111	INCIN	30-Nov-01	0	745	745	745	0	0	768	CTF0825194	C HARBORS	
2 WASTE MOB		5	WASTE PTS!/ACET	НΔ7			CI EAN HAR	CH183171	INCIN	30-Nov-01	٥	1 734	1 734	1 734	٥		768	CTE0825104	CHARRORS	
4 WASTE CB HAZ D001, D021 CLEAN HAR CH154636 INCIN 30-Nov-01 0 1,950 1,950 0 0 772 MDC0902826 C HARBORS 1 WASTE CB HAZ D001, D021 CLEAN HAR CH156168 INCIN 30-Nov-01 0 430 430 430 0 0 772 MDC0902826 C HARBORS 2 WASTE BUTYRIC/POH HAZ D001,D002 CLEAN HAR CH156169 INCIN 30-Nov-01 0 608 608 608 0 0 773 MDC0902826 C HARBORS 1 WASTE POH HAZ D001, CLEAN HAR CH156189 INCIN 30-Nov-01 0 450 450 450 0 0 773 MDC0902832 C HARBORS 2 WASTE POH HAZ D001 CLEAN HAR CH183013 INCIN 30-Nov-01 0 450 450 450 0 0 773 MDC0902832 C HARBORS 2 WASTE POH HAZ D001 CLEAN HAR CH183013 INCIN 30-Nov-01 0 450 450 450 0 0 774 MDC0902832 C HARBORS 4 WASTE FOLLENE HAZ D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 551 561 561 0 0 774 MDC0902833 C HARBORS 4 WASTE FOLLENE HAZ D001 CLEAN HAR CH183169 INCIN 30-Nov-01 0 1,630 1,630 0 0 774 MDC0902833 C HARBORS 1 WASTE TOLURENE HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 6-Dec-01 5000 37,500 37,500 0 0 775 MI8170504 FRANKS VACUUM 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 12-Dec-01 5000 37,500 37,500 0 0 776 MI8170504 FRANKS VACUUM 1 WASTE TOLURENE HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 12-Dec-01 5000 37,500 37,500 0 0 777 MI7612329 BUFFALO FUEL 1 WASTE TOLURENE HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 12-Dec-01 5000 37,500 37,500 0 0 778 MI8170504 FRANKS VACUUM 1 WASTE TOLURENE HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 12-Dec-01 5000 41,700 0 41,700 0 778 MI8170504 FRANKS VACUUM 1 WASTE TOLURENE HAZ D001, F003, F005 EQ RESOURCE J512010TS INCIN 19-Dec-01 5000 41,700 0 41,700 0 778 MI8170504 FRANKS VACUUM 1 WASTE TOLURENE HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5000 44,250 44,250 0 0 780 MI7612339 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5000 44,250 44,250 0 0 780 MI7612339 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 12-Dec-01 5000 45,000 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 12-Dec-01 5000 45,000 0 0 783																				-
1 WASTE CB															<u>~</u>					
2 WASTE BUTYRIC/POH																0				
2 WASTE POH HAZ D001 CLEAN HAR CH183013 INCIN 30-Nov-01 0 561 561 561 0 0 774 MDC0902833 C HARBORS F002, F003, F005, D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 1,459 1,459 0 0 774 MDC0902833 C HARBORS 4 WASTE TOLURIE HAZ F005, D001 CLEAN HAR CH183169 INCIN 30-Nov-01 0 1,630 1,630 0 0 774 MDC0902833 C HARBORS 1 WASTE TOLURIE HAZ D001, F003, F005 EQRESOURCE J512010TS INCIN 5-Dec-01 5000 37,500 37,500 0 0 775 MI8170504 FRANKS VACUUM 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J512010TS INCIN 12-Dec-01 5000 37,500 37,500 0 0 776 MI8170505 FRANKS VACUUM 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 41,700 0 41,700 0 778 NJA4087147 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 18-Dec-01 6004 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 19-Dec-01 55100 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 19-Dec-01 55100 45,000 45,000 0 0 781 NJA4087197 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 12-Dec-01 55100 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 12-Dec-01 5000 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 12-Dec-01 5000 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 12-Dec-01 5000 45,000 45,000 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 12-Dec-01 5000 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 12-Dec-01 5000 37,500 37,500 0 0 0 783 MI76		2	WASTE BUTYRIC/POH	HAZ			CLEAN HAR	CH156189	INCIN		0	608	608	608	0	i o				
WASTE ACETONE		1	WASTE	HAZ	D001,		CLEAN HAR		INCIN	30-Nov-01	0	450	450	450	0	0	773	MDC0902832	C HARBORS	
4 WASTE ACETONE HAZ D001 CLEAN HAR CH183167 INCIN 30-Nov-01 0 1,459 1,459 1,459 0 0 774 MDC0902833 C HARBORS 1 WASTE TOLUENE HAZ F005, D001 CLEAN HAR CH183169 INCIN 30-Nov-01 0 1,630 1,630 0 0 774 MDC0902833 C HARBORS 1 WASTE TOLUENE HAZ D001, F003, F005 EQ RESOURCE J51201OTS INCIN 5-Dec-01 5000 37,500 37,500 37,500 0 0 775 MI8170504 FRANKS VACUUM 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201OTS INCIN 12-Dec-01 5000 37,500 37,500 37,500 0 0 776 MI8170505 FRANKS VACUUM 1 WASTE TOLUENE HAZ D001, F003, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 37,500 37,500 37,500 0 0 778 NJA4087149 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EI DUPONT WTS3130 WWT 18-Dec-01 6064 50,574 50,574 0 50,574 0 779 NJA4087177 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5910 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5910 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5910 44,500 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5910 44,500 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5900 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5900 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5900 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5900 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOLUMETHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5900 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL		2	WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	30-Nov-01	0	561	561	561	0	0	774	MDC0902833	C HARBORS	
4 WASTE TOLUENE HAZ F005, D001 CLEAN HAR CH183169 INCIN 30-Nov-01 0 1,630 1,630 0 0 0 774 MDC0902833 C HARBORS 1 WASTE TOLUENE HAZ D001, F003, F005 EQ RESOURCE J51201OTS INCIN 5-Dec-01 5000 37,500 37,500 37,500 0 0 775 MI8170504 FRANKS VACUUM 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201OTS INCIN 6-Dec-01 5000 37,500 37,500 37,500 0 0 776 MI8170505 FRANKS VACUUM 1 WASTE TOL/METHAN HAZ D001 EQ RESOURCE J51201OTS INCIN 12-Dec-01 5000 37,500 37,500 37,500 0 0 777 MI7612329 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 41,700 0 41,700 0 778 NJA4087149 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5000 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 45,000 45,000 0 0 782 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 2-Dec-01 5000 37,500 37,500 37,500 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 2-Dec-01 5000 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 2-Dec-01 5000 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 2-Dec-01 5000 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 2-Dec-01 5000 37,500 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL		4	WASTE ACETONE	HA7			CLEAN HAR	CH183167	INCIN	30-Nov-01	0	1 459	1 450	1 459	n		774	MDC0902833	C HAPROPS	
1 WASTE TOLUENE HAZ D001, F003, F005 EQRESOURCE J51201OTS INCIN 5-Dec-01 5000 37,500 37,500 0 0 0 775 MI8170504 FRANKS VACUUM 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201OTS INCIN 6-Dec-01 5000 37,500 37,500 0 0 0 776 MI8170505 FRANKS VACUUM 1 WASTE TOL/METHAN HAZ D001, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 37,500 37,500 0 0 0 777 MI7612329 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 41,700 0 41,700 0 778 NJA4087149 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 18-Dec-01 6064 50,574 50,574 0 779 NJA4087177 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 19-Dec-01 5516 46,003 0 46,003 0 781 NJA4087197 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 21-Dec-01 5000 37,500 37,500 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQRESOURCE J51201 INCIN 21-Dec-01 5000 37,500 37,500 0 0 783 MI7612331 BUFFALO FUEL	1											 				+ - +				
1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201OTS INCIN 6-Dec-01 5000 37,500 37,500 0 0 0 776 MI8170505 FRANKS VACUUM 1 WASTE TOL/METHAN HAZ D001 EQ RESOURCE J51201OTS INCIN 12-Dec-01 5000 37,500 37,500 0 0 0 777 MI7612329 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 41,700 0 41,700 0 778 NJA4087149 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 18-Dec-01 5900 44,250 44,250 44,250 0 0 780 MI761230 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 20-Dec-01 5516 46,003 46,003 0 46,003 0 781 NJA4087197 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5000 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 28-Dec-01 5000 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL	` ,															++				IM
1 WASTE TOL/METHAN HAZ D001, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 37,500 37,500 0 0 0 777 MI7612329 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 18-Dec-01 6064 50,574 50,574 0 50,574 0 779 NJA4087177 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 20-Dec-01 5910 44,250 44,250 0 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 20-Dec-01 5516 46,003 46,003 0 46,003 0 781 NJA4087197 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 28-Dec-01 5000 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL	-			 									<u> </u>					· 		
1 WASTE TOLUENE HAZ D001, F005 EI DUPONT WTS3130 WWT 14-Dec-01 5000 41,700 0 41,700 0 778 NJA4087149 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 18-Dec-01 6064 50,574 0 50,574 0 779 NJA4087177 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5000 45,000 45,000 0 0 0 782 MI7612331 <td></td> <td>1</td> <td>WASTE TOL/METHAN</td> <td>HAZ</td> <td>D001</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td>		1	WASTE TOL/METHAN	HAZ	D001									· · · · · · · · · · · · · · · · · · ·	0	0				
1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 19-Dec-01 5900 44,250 44,250 0 0 780 MI7612330 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 5516 46,003 46,003 0 46,003 0 781 NJA4087197 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 28-Dec-01 5000 37,500 37,500 0 0 0 783 MI7612331 BUFFALO FUEL		1	WASTE TOLUENE	HAZ	D001, F005	-	EI DUPONT		WWT		5000		·		41,700	0				
1 WASTE TOL/METHAN HAZ D001, F003, F005 EI DUPONT OW11243 WWT 20-Dec-01 5516 46,003 0 46,003 0 781 NJA4087197 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 28-Dec-01 5000 37,500 37,500 0 0 783 MI7612331 BUFFALO FUEL							EI DUPONT	OW11243	WWT	18-Dec-01	6064	50,574	50,574	0	50,574	0	779	NJA4087177	BUFFALO FUE	Ĺ
1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 21-Dec-01 6000 45,000 45,000 0 0 782 MI7612336 BUFFALO FUEL 1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 28-Dec-01 5000 37,500 37,500 0 0 783 MI7612331 BUFFALO FUEL							EQ RESOURCE		INCIN	19-Dec-01	5900		44,250	44,250	0	0	780			
1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 28-Dec-01 5000 37,500 37,500 0 0 783 MI7612331 BUFFALO FUEL									WWT	20-Dec-01	5516				46,003	0				
														.,						
1 WASTE TOL/METHAN HAZ D001, F003, F005 EQ RESOURCE J51201 INCIN 31-Dec-01 5000 37,500 37,500 0 0 784 MI7612332 BUFFALO FUEL																				
	_	1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	31-Dec-01	5000	37,500	37,500	37,500	0	0	784	MI7612332	BUFFALO FUE	L
												Ĺ		L		<u> </u>		<u></u>		<u> </u>

L = LANDFILL	
B = INCINERATION	
T = TREATED	
R = RECYCLE	
S = STORAGE	

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax. Rev 19-Jun-00

ev	19-Jun-00																		
	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	EST	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	T	ONS P
YT	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	COST	VOL	WT	WT	l WT	WT	RECOVERY	DOC	MFST	HAULER	TEGO
									\$	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
1	WASTE CAUSTIC LIQUID	HAZ	D002	Plant	CLEAN HAR		TREATED	24-Jan-01	0	512	512	512	0	512	661	CTF0964019	C HARBORS		
				Amide															
1	WASTE DMF	HAZ	D001	Chloride	CLEAN HAR		INCIN	2-Feb-01	0	150	150	150	150	0	663	MAM692146	C HARBORS		
	}					1		}				}	}	ł	ļ				1
			F002, F003, D001,										4	١ ـ					
	WASTE FLAM LIQUIDS	HAZ	D021, D022	Lab	CLEAN HAR	CH124269	INCIN	2-Feb-01	0	447	447	447	447	0	665	IL8621467	C HARBORS		-
	WASTE FLAM LIQUIDS	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	2-Feb-01	0	977	977	977	977	0	665	IL8621467	C HARBORS		-
4	WASTE FLAM LIQUIDS	HAZ	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	2-Feb-01	ا م ا	475	475	475	475	0	665	IL8621467	C HARBORS		
	WASTE FLAW LIQUIDS	- HAZ	D001, D021, F002	PISI	CLEANHAR	CH131275	INCIN	2-Feb-01		4/5	475	4/5	4/3	-	000	120021401	CHARBORS		1
			F002, F003, F005,																
2	HAZ WASTE SOLID	HAZ	D021, D022	Lab	CLEAN HAR	CH124262	INCIN	2-Feb-01	l n	258	258	258	258	ا ا	665	IL8621467	C HARBORS		
	TWE TWICHE GOLD	11/12	D021, D022	Amide	OLLANTIAN	OTTETEDE		2100-01		200		200	200	١Ŭ	- 555	120021101	O THE RESIDENCE		1
11	WASTE SOLID CORR	HAZ	D003	Chloride	CLEAN HAR	CH183160	INCIN	23-Feb-01	l 0	2,750	2,750	2,750	2,750	lο	666	CTF0929756	C HARBORS		
	1.0.12 002.13 001.11	117 15	5000	Ornondo	OEE/WY BUX	011100100		2010001	_ <u> </u>	2,700	2,.00			<u>-</u> -	- 555	0.1.0020.00		<u></u>	1
1	WASTE LIQUID FLAM	HAZ	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	23-Feb-01	0	400	400	400	400	0	666	CTF0929756	C HARBORS		
3	WASTE LIQUID POH	HAZ	D001	PNBC	CLEAN HAR	CH183013	INCIN	23-Feb-01	0	901	901	901	901	0	667	MDC0891562	C HARBORS		1
	WASTE LIQUID PNBC																		1
7	ACETONE	HAZ	F003, D001	PNBC	CLEAN HAR	CH183011	INCIN	23-Feb-01		2,412	2,412	2,412	2,412	0	667	MDC0891562	C HARBORS		<u>.</u>
1	WASTE MCB SOLID	HAZ	F002, D021	PTSI	CLEAN HAR	CH131345	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563]
1	WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS		
]													Ì
			F002, F003, F005,			1							0.50						
	WASTE SOLID PTSI ACETONE	HAZ	D003, D021	PTSI	CLEAN HAR	CH183171	INCIN	23-Feb-01	0	350	350	350	350	0	668	NYG2632563			-
23	TOXIC LIQUID PhCF	HAZ		PHCF	CLEAN HAR	CH183164	INCIN	23-Feb-01	0	10,100	10,100	10,100	10,100	0	669	NYG2632554	C HARBORS		-
4	 WASTE LIQUID PhCF ACETONE	HAZ	F003 F004	PHCF	OL MANULAD	01420404	INCIN	23-Feb-01	, ,	350	350	350	350	٠,	669	NYG2632555	CHARRORS		
	WASTE FLAM LIQUIDS	HAZ	F003, D001 D001, D002	Pilot Lab	CLEAN HAR	CH183161 CH147710	INCIN	23-Feb-01	0	800	800	800	800	0	669	NYG2632556			1
	WASTE PLAIN LIQUIDS	n _A Z	D001, D002	FIIOL LAD	CLEAN HAR	CH147710	INCIN	23-FED-01		800	800	800	000	<u> </u>	009	N 1 G2032330	CHARBORS		┨
			F002, F003, F005,																
4	WASTE SOLID ACE/MET	HAZ	D021, D022	Plant	CLEAN HAR	CH124262	INCIN	23-Feb-01	ol	1,600	1,600	1,600	1,600	0	669	NYG2632557	C HARBORS		
	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169B	INCIN	14-Mar-01		5,670	40,940	40,940	40,940	0	673	MDC0727121			1
										-,,,,,									1
	-		1	·								64,322	63,810	512					1

WASTE TAX 1ST QUARTER 2001

	_	
TONS GENERATED		32.16
TONS NOT SUBJECT TO		
ASSESSMENT		0.00
TONS SUBJECT TO		
ASSESSMENT		32.16
\$ FOR INCINERATION	31.91	\$287.15
\$ FOR TREATMENT	0.26	\$4.10
TOTAL ASSESSMENT		\$291.24

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2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

QTY	31-Oct-12 WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER
						-			gals	105	IDS	105	Ibs	105	INOIN	NOM	
			F002, F003, F005,														
1	WASTE LIQUID BCF, MCL	HAZ	D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	4-Apr-01	0	325	325	325	0	0	674	MDC0901969	C HARBORS
	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	675	MDC0903706	C HARBOR
	WASTE TOLUENE	HAZ	F005, D001, D002	HEGCL	CLEAN HAR	CH183169B	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	676	MDC0727122	C HARBOR
	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	677	MDC0727123	
	WASTE SOLIDS	HAZ	F002, F005	Plant	CALGON CARB	CAN2543R	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	678	PAX9549831	CALGON CAR
	B WASTE SOLIDS	HAZ	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	678	PAX9549831	CALGON CAR
	WASTE FUEL OIL, MCB	HAZ	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	475	475	475	0	0	680	MDC0800675	
	WASTE FUEL OIL, MCB	HAZ HAZ	D001, F002, D021	PTSI PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	493 932	493 932	493	0	0	681	MDC0893659	C HARBOR
	WASTE CHLORBENZE		D001, D021	7131	CLEAN HAR	CHI56168	INCIN	4-May-01	0	932	932	932	0	0	681	MDC0893659	C HARBOR
11	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	681	MDC0893659	C HARBOR
	W. G. E. NGEL GILL	10.2	2001	- I I I I I	OLD WITH IN	011100107		1 May 01	<u>U</u>	0,001	0,001	0,001				MBCGGGGGG	O TRINDON
			F002, F003, F005,														
1	WASTE LIQUID	HAZ	D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	822	822	822	0	0	682	MDC0893660	C HARBOR
1	WASTE FLAMABLE LIQ	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	4-May-01	0	419	419	419	0	0	682	MDC0893660	C HARBOR
1	WASTE FLAMABLE LIQ	HAZ	D001, D001	Lab	CLEAN HAR	CH183173	INCIN	4-May-01	0	1,135	1,135	1,135	0		682	MDC0893660	CHARRORS
	WASTE ACETONE	HAZ	D001, D001	?	CLEAN HAR	CH156169	INCIN	4-May-01	0	463	463	463	0	0	683	MDC0893658	C HARBORS
5	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	4-May-01	0	1,929	1.929	1,929	0	0	683	MDC0893658	C HARBORS
2	WASTE FLAMABLE LIQ	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	4-May-01	0	935	935	935	0	0	683	MDC0893658	C HARBORS
									<u> </u>								
5	WASTE SOLID	HAZ	F002, F003, F005, D021	Plant	CLEANLUAD	CU102171	INCIN	4 May 01	0	2.455	0.455	2.155	0	0	604	CTF0950717	C HARBORS
	LAMA OTE	HAZ	D021	Plant	CLEAN HAR	CH183171 CH124264	INCIN	4-May-01	0	2,155	2,155	2,155	<u>0</u>	0	684 684		+
	WASTE SOLID MCB	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH131345	INCIN	4-May-01 4-May-01	0	721 180	721 180	721 180	0	1 0 1	688		C HARBORS
	WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	4-May-01	0	35	35	35	0		688		C HARBORS
	WASTE FLAMABLE LIQ	HAZ	D001, F005	11101	CLEAN HAR	CH183161	INCIN	4-May-01	0	294	294	294	0	0	688	NYG2633418	C HARBORS
	WASTE MCB/DEA	HAZ	D001, D021	HEGCL	CLEAN HAR	CH147725	INCIN	4-May-01	0	854	854	854	0	0	689	NYG2633409	C HARBORS
1	WASTE TETR/HCL	HAZ	D001, D002		CLEAN HAR	CH147710	INCIN	4-May-01	0	356	356	356	0	0	689		C HARBORS
9	WASTE N-BUT	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	689	NYG2633418	C HARBORS
4	WASTE ACE/METH	HAZ	F002, F003, D021, D022		CLEAN HAR	CH124262	INCIN	4-May-01	0	806	806	806	0		689	NYG2633418	C HARBORS
	WASTE TOLUENE	HAZ	F005, D001	HEGCL		CH183169B	INCIN	11-May-01				15,004	0	0	690		C HARBORS
	WASTE SOLID	HAZ	F005, D001	NEGUL	CLEAN HAR	CAN2542R	RECYCL	11-May-01 14-May-01	2075 0	15,004 5,000	15,004 5,000	15,004	0	5000	690		HAZMAT
	WASTE SOLID_	HAZ	F002	 	CLEAN HAR	CAN2542R CAN2543R	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	691		HAZMAT
	WASTE SOLID PCF	HAZ	1 000	PNBC	CLEAN HAR	CH183164	INCIN	16-May-01	0	354	354	354	0	0	692		C HARBORS
	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	695	MDC0727128	

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OTV	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER
	WACTE COLID DIVETU								gals	Ibs	lbs	lbs	lbs	lbs	NUM	NUM	<u> </u>
1	WASTE SOLID DIMETH	HAZ	D003		CLEAN HAR	CH169160	INCIN	15-Jun-01	0	223	223	223	0	0	698	CTF0998731	C HARBORS
																İ	
_	MACTE COLID DECA		F002, F003, F005,														
	WASTE SOLID PTSA WASTE CHLOROBTUA	HAZ	D021		CLEAN HAR	CH183171	INCIN	15-Jun-01	0	517	517	517	0	0	698	CTF0998731	C HARBORS
	WASTE CHEOROBTOA	HAZ	D001		CLEAN HAR	CH156186	INCIN	15-Jun-01	0	2,104	2,104	2,104	00	0	699	NYG2634642	C HARBORS
6	WASTE FLAMABLE LIQ	HAZ	F003, D001		CLEAN HAR	CH183161	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	699	NYG2634642	C HARBORS
3	 WASTE FLAMABLE LIQ	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	699	NYG2634642	C HARBORS
		100	2001, 2002		CLLANTIAN	011130107	INOIN	13-3411-01		1,5/1	1,571	1,571	<u> </u>			11102004042	CHARDORO
																i	
•	WASTE COLID A SEALET		F002, F003, F005,							ł							
<u></u> 6	WASTE SOLID ACE/MET	HAZ	D021, D002		CLEAN HAR	CH124262	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	699	NYG2634642	C HARBORS
5	WASTE ACETONE	HAZ	F003, D001		CLEAN HAR	CH147750	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	703	MAQ0313 <u>6</u> 9	C HARBORS
14	WASTE BUTYRIC POH		D004 D000														
14	WASTE BUTTRIC POH	HAZ	D001, D002		CLEAN HAR	CH156189	INCIN	15-Jun-01	0	5,895	5,895	5,895		0	704	MDC0897594	C HARBORS
1	WASTE TOLUENE/CB	HAZ	F005, D001, D021		CLEAN HAR	CH156194	INCIN	15-Jun-01	0	442	442	442	0 ·	0	705	MDC0897595	C HARBORS
	WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	15-Jun-01	0	804	804	804	0	1 - 6 - 1	705	MDC0897595	C HARBORS
					OLL/ ((VII) ((C	0,11100010	III	TO COM CT								MB 00007 000	01040010
		l	F002, F003, F005,								1	1					
2	WASTE ACETONE	HAZ	D001		CLEAN HAR	CH183167	INCIN	15-Jun-01	0	698	698	698	0	0	705	MDC0897595	C HARBORS
1	WASTE PROPANOL/ME	HAZ	F002, D001		CLEAN HAR	CH183173	INCIN	15-Jun-01	0	610	610	610	0	0	705	MDC0897595	C HARBORS
1	WASTE CHLOROBEN	HAZ	D001, D021			CH156187	INCIN	15-Jun-01	0	469	469	469	0	0	706	MDC0897596	C HARBORS
	TINOTE OFFICERODEN	TIPLE	D001, D021		CLEAN HAR	CH156187	INCIN	15-Jun-01	U	409	409	409		 	700	WIDC0697596	C HARBORS
			j														
			E003 E003 E005														
1	WASTE BENZYL /METH	HAZ	F002, F003, F005, D001, D021, D022	1,	CLEAN HAR	CH124269	INCIN	15-Jun-01	0	464	464	464	0	0	706	MDC0897596	C HARBORS
	WASTE MCB	HAZ	D001, D021		CLEAN HAR	CH124209 CH124412	INCIN	15-Jun-01	0	425	425	425	<u> </u>	0	706	MDC0897596	C HARBORS
	WASTE DIMETHY/BUT	HAZ	D001		CLEAN HAR	WTS1294	INCIN	21-Jun-01	0	30,380	30,380	30,380	0	0	707	NYG2975643	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169B	INCIN	22-Jun-01	5000	36,154	36,154	36,154			708	MDC0727129	C HARBORS

142.58

142.58

130.33

0.00

12.25

WASTE TAX 1ST QUARTER 2001

TONS GENERATED	142.58
TONS NOT SUBJECT TO	
ASSESSMENT	9.19
TONS SUBJECT TO	55
ASSESSMENT	133.39
\$ FOR INCINERATION	\$1,200.55
\$ FOR TREATMENT	\$0.00
TOTAL ASSESSMENT	\$1,200.55

2nd Qtr Tax.

2001 HAZARDOUS WASTE REPORT WORKSHEET Rev 12-Oct-01

	12-Oct-01 WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	T	TONS PE
QTY		NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	i	HAULER	CATEGOR
	DESCRIPTION	""	OODLO	WASTE	1001	CODE	INC THOS	DAIL	gals	1	lbs	lbs	ibs	lbs	NUM	1	HAULLIN	CATEGOR
			F002, F003, F005,	WASIL		- CODE	 		yais	103	103	IDS	ina	เมือ	NOW	14014	 	
c	WASTE LIQ ACETONE	HAZ	D001	Plant	CLEAN HAR	CH183167	INCIN	27-Jul-01		3,192	3,192	3,192	0	0	711	MDC0891977	C HARBORS	
	WSTE FLAM LIQUID POH	HAZ	D001	PNBC	CLEAN HAR	CI1103101	INCIN		0	25	25	3,192	0	ļ	736	MDC0903645		┪
	WASTE TOLUENE	HAZ	F005, D001	HEGCL		CH183169		31-Aug-00	 	751	751	751	0	 		MDC0891977		
	WASTE FLAM LIQUIDS	HAZ	D001, D021	HEGCL	CLEAN HAR	CH154633	INCIN	27-Jul-01 27-Jul-01	0	463	463	463	0	0	711	MDC0891977	C HARBORS	
	WASTE CHLOROBEN	HAZ	D001, D021			CH154636		27-Jul-01 27-Jul-01			1,018	1,018	0	0	712	MDC0891977	C HARBORS	
	WASTE LIQ BZOH	HAZ	D001, D021	BCF	CLEAN HAR		INCIN		0	1,018			0	0				
	WASTE SOLID	HAZ	F005	ВСГ	CLEAN HAR	CH154629	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	<u> </u>	712	MDC0891975		+
<u>'</u>		HAZ		DTCI	CLEAN HAR	CH154630	INCIN	27-Jul-01	0	327	327	327	0	0	712	MDC0891975		
<u> </u>	WASTE WATER REACTIVE	HAZ	D003, D021	PTSI	CLEAN HAR	CH156193	INCIN	27-Jul-01	0_	210	210	210	0	0	712	MDC0891975		
4	WASTE SOLID	HAZ	NONE		CLEAN HAR	CH183165	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	MDC0891976	C HARBORS	
4	MANAGES SI ANALIGUES	1	F002, F003, F005,			011404000			١ ـ			470	_					
	WASTE FLAM LIQUID	HAZ	D001, D021, D022	<u>Lab</u>	CLEAN HAR	CH124269	INCIN	27-Jul-01	0	459	459	459	0	0	715	MDC0891976		
	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH124??	INCIN	27-Jul-01	0	408	408	408	0	0	715	MDC0891976	 	ļ
22	WASTE DMF	HAZ	D001	ACL	CLEAN HAR	CH131343	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	MAM890923	C HARBORS	
_	WASTE SOLIE		F002, F003, F005,											_				
5	WASTE SOLID	HAZ	D021, D022	Lab	CLEAN HAR	CH124262	INCIN	27-Jul-01	0	851	851	851	0	00	716	MAM890923	C HARBORS	
	l	11	F002, F003, F005,			1			1									1
4	WASTE PTSI ACETONE	HAZ	D021	PTSI	CLEAN HAR	CH183171	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	CTF0975457	C HARBORS	
1	WASTE CAUSTIC LIQ	HAZ	D002, D005	Plant	CLEAN HAR	CH183156	TREATED	27-Jul-01	0_	497	497	0	497	0	718	NYG2635272		
1	WASTE LIQUID	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	27-Jul-01	0	402	402	402	0_	0	718	NYG2635272		
	WASTE FLAM LIQUID	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	27-Jul-01	0	1,782	1,782	1,782	0	0	719	MDC0860270	C HARBORS	
	WASTE SOLID	HAZ	F002, F005	Plant	ENVIROTROL		RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	PAG311692	BUFFALO FUEL	<u>L</u>
	WASTE ACE/CHLORIDE	HAZ	U006	Lab	CLEAN HAR	JEN-001	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-002	INCIN	9-Aug-01	0	41	41	41	0	0	723	IL9259235	C HARBORS	
	WASTE OXIDIAING LIQ	HAZ	D001, D002, D008	Lab	CLEAN HAR	JEN-005	TREATED	9-Aug-01	0	6	6	0	6	0	723	IL9259235	C HARBORS	
	WASTE BCF	HAZ	D003, D002	Lab	CLEAN HAR	JEN-007	INCIN	9-Aug-01	0	35	35	35	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D002, D001	Lab	CLEAN HAR	JEN-008	INCIN	9-Aug-01	0	16	16	16	0	0	723	IL9259235	C HARBORS	
1	WASTE TOXIC LIQUID	HAZ	F002, D002	Lab	CLEAN HAR	JEN-009	INCIN	9-Aug-01	0	11	11	11	0	0	723	IL9259235	C HARBORS	
2	WASTE ALLYL ALCOHO	HAZ	P005, D001	Lab	CLEAN HAR	JEN-010-015	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
1	WASTE CORROSIVE LIQ	HAZ	D002, D001	Lab	CLEAN HAR	JEN-011	INCIN	9-Aug-01	0	22	22	22	0	0	723	IL9259235	C HARBORS	
1	WASTE PHENOL SOL	HAZ	U188	Lab	CLEAN HAR	JEN-012	INCIN	9-Aug-01	0	14	14	14	0	0	723	IL9259235	C HARBORS	
1	WASTE CORROSIVE SOL	HAZ	D003, D001	Lab	CLEAN HAR	JEN-013	INCIN	9-Aug-01	0	8	8	8	0	0	723	IL9259235	C HARBORS	
1	WASTE SODIUM SULF	HAZ	D003	Lab	CLEAN HAR	JEN-014	INCIN	9-Aug-01	0	12	12	12	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	P022, D001	Lab	CLEAN HAR	JEN-016	INCIN	9-Aug-01	0	6	6	6	0	0	723	IL9259235	C HARBORS	
	WASTE FLAM LIQUID	HAZ	U079	Lab	CLEAN HAR		INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
1	WASTE CHLOROFORM	HAZ	D002, D001	Lab	CLEAN HAR	JEN-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-019	INCIN	9-Aug-01	0	7	7	7	0	0	723	IL9259235	C HARBORS	
	WASTE METHYL CF	HAZ	U156, D002	Lab	CLEAN HAR	JEN-020-023	INCIN	9-Aug-01	0	28	28	28	0	0	723	IL9259235	C HARBORS	
	WASTE METHYL CHLO	HAZ	D001	Lab	CLEAN HAR	JEN-024	TREATED	9-Aug-01	0	4	4	0	4	0	723	IL9259235	C HARBORS	
		 	F002, F003, F005,					<u> </u>			'			-		120200200	31	
5	WASTE SOLID PTSI ACE	HAZ	DO21	PTSI	CLEAN HAR	CH183171	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	CTF0999168	C HARBORS	1
	WASTE SOLID CLOR TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183279	incin	31-Aug-01	0	2,590		2,590	0	0	732		C HARBORS	
_ <u>`</u>		" -	F002, F003, F005,		OCEAN HAIN	011100210	11011	OT Aug-01	 	2,000	۵,000	2,000	 -	<u>ٽ</u>	. 02	111 02000002	O LIARDORO	
7	WASTE SOLID ACE MET	HAZ	D021, D022		CLEAN HAR	CH124262	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	IL9351544	C HARBORS	1
	WSTE FLAM LIQUID	HAZ	D021, D022		CLEAN HAR	CH124412	INCIN				1,296	1,296	0	0	735	MDC0903646	C HARBORS	
	WSTE FLAM LIQUID	HAZ	F002, D001, D021					31-Aug-01	0	1,296			$\overline{}$	0		·		
	WSTE FLAM LIQUID	HAZ			CLEAN HAR	CH131275	INCIN	31-Aug-01	0	459	459	459	0		735	MDC0903646	C HARBORS	
			D001		CLEAN HAR	CH154629	INCIN	31-Aug-01	0	4,747	4,747	4,747	_0	0	735	MDC0903646	C HARBORS	
!	WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	31-Aug-01	0 [503	503	503	0	0	735	MDC0903646	C HARBORS	

3rd Qtr Waste Tax Page 1

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WASTE	HAZ/	EPA	PROCESS	1		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
			WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
		F002, F003, F005,															
1 WSTE FLAM LIQUID ACE	HAZ	D001		CLEAN HAR	CH183167	INCIN	31-Aug-01	0	335	335	335	0	0	736	MDC0903645	C HARBORS	
3 WSTE FLAM LIQUIDMET	HAZ	F003, F005, D001		CLEAN HAR	CH187152	INCIN	31-Aug-01	0	1,141	1,141	1,141	0	0	736	MDC0903645	C HARBORS	
		F003, D001, D021,															
1 WSTE FLAM LIQUID BCF	HAZ	D022, F002, F005	BCF	CLEAN HAR	CH124269	INCIN	31-Aug-01	0	426	426	426	0	0	736	MDC0903645	C HARBORS	
5 WASTE SOLID	HAZ	F002, F005,		ENVIROTROL		RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	PA9549805	AUTUMN IND	
1 WASTE FLAM LIQUID	HAZ	D001, D002		CLEAN HAR	CH147710	INCIN	20-Sep-01	0	287	287	287	0	0	740	CTF0829916	C HARBORS	
1 WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	20-Sep-01	0	234	234	234	0	0	741	MDC0894881	C HARBORS	
21 WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH147734	INCIN	20-Sep-01	0	11,498	11,498	11,498	0	0	741	MDC0894881	C HARBORS	
		F002, F003, F005,															
6 WASTE SOLID ACE MET	HAZ	D021, D022		CLEAN HAR	CH124262	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	MDC0894881	C HARBORS	
3 WASTE LIQ CHL/TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183179	INCIN	20-Sep-01	0	1,413	1,413	1,413	0	0	741	MDC0894881	C HARBORS	
6 WASTE DEA	HAZ	D001		CLEAN HAR	CH131343	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	MDC0894882	C HARBORS	J
1 WASTE CHLOROBENZ	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	20-Sep-01	0	575	575	575	0	0	745	MDC0894882	C HARBORS	
10 WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	20-Sep-01	0	3,782	3,782	3,782	0	0	745	MDC0894882	C HARBORS	
		F002, F003, F005,															
3 WASTE ACETONE	HAZ	D001		CLEAN HAR	CH183167	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	MDC0894882	C HARBORS	<u> </u>
		F002, F003, F005,															
1 WASTE FLAM LIQUID	HAZ	D001, D021, D022		CLEAN HAR	CH124269	INCIN	20-Sep-01	0	446	446	446	0	0	746	MDC0894883	C HARBORS	<u> </u>
1 WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH124271	INCIN	20-Sep-01	0	304	304	304	0	0	746	MDC0894883	C HARBORS	
1 WASTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	20-Sep-01	0	475	475	475	0	0	746	MDC0894883	C HARBORS	
2 WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275	INCIN	20-Sep-01	0	854	854	854	0	0	746	MDC0894883	C HARBORS	
6 WASTE SOLID TOLUENE	HAZ	F002, F005		CLEAN HAR		RECYCLE	25-Sep-01	0		36,000	0	0	36000	747	PAX9549794	C HARBORS	
1 WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	28-Sep-01				46,658			748	MDC0902940	C HARBORS	
1 WASTE LIQUID MCB, TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183179B	INCIN		0	20,560	20,560	20,560	0	0	722	NYG3081015	C HARBORS	

Total tons hazardous waste	120.2	\$597.12
Total tons incineration	65.9	\$593.06
Total tons wwt	0.3	\$4.06
Total tons recycle	40.5	\$0.00
Tons recycle incineration	13.5	121.5

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
VASTE FLAM LIQUID	HAZ	F005, D001	WASIL	CLEAN HAR	CH183169	INCIN	9-Oct-01	4350	31,200	31,200	31,200	0	0	749	MDC0892366	C HARBORS	
VASTE N-BUT ISOCY	HAZ	D001, D003		CLEAN HAR	CH157803	INCIN	10-Oct-01	0	38	38	38	1 0	0	750	NYG2000772	C HARBORS	
VASTE DIOXANE	HAZ	U108, D001		CLEAN HAR	CH147739	INCIN	10-Oct-01	1 0	98	98	98	1 0	i ö	750	NYG2000772	C HARBORS	-
VASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww	RECYCLE	12-Oct-01	1 0	7,729	7,729	1,932	1 0	5796.75	751	PAX9549772	AUTUMN IND	
VASTE FLAM LIQUID	HAZ	D001	_	CLEAN HAR	CH157622	INCIN	17-Oct-01	3975	39,119	39,119	39,119	0	0.00.70	753	MDC0896645	BUFFALO FUEL	
VASTE FLAM LIQUID	HAZ	D001	*	CLEAN HAR	CH157821	INCIN	18-Oct-01	4268	42,002	42,002	42,002	0	0	754	MDC0896646	BUFFALO FUEL	
NASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157821	INCIN	19-Oct-01	3394	33,401	33,401	33,401	0	0	755	MDC0896647	BUFFALO FUEL	
WASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww	1110	25-Oct-01	0	3,800	3,800	0	0	3800	756	PAX9549761	AUTUMN	
NASTE SOLID	HAZ	F002		CALGON CAR	CAN2542	RECYCLE	31-Oct-01	† •	5,000	5,000	0	0	5000	757	PAX9549750	HAZMAT	
		F002, F003, F005, D001, D021,		57.25577.5.2.2	0, 1, 1, 2, 1, 2		 	†	1 - 7,5 - 5		<u> </u>					-	
NASTE FLAM LIQUID	HAZ	D022		SPRING GROVE	CH124269	INCIN	2-Nov-01	1 0	411	411	411	0	1 0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	HAZ	D001, D021		SPRING GROVE	CH124412	INCIN	2-Nov-01	0	1,492	1,492	1,492	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	HAZ	F002, D001, D021		SPRING GROVE	CH131275	INCIN	2-Nov-01	0	908	908	908	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	HAZ	D001		SPRING GROVE	CH154629	INCIN	2-Nov-01	0	1,826	1,826	1,826	0	0	758	NYG2001402	C HARBORS	
VASTE CB	HAZ	D001, D021		SPRING GROVE	CH154636	INCIN	2-Nov-01	0	994	994	994	0	0	759	NYG2001411	C HARBORS	1
NASTE PNBC	HAZ	F003, D001		SPRING GROVE	CH183011	INCIN	2-Nov-01	0	656	656	656	0	0	759	NYG2001411	C HARBORS	
NASTE POH	HAZ	D001		SPRING GROVE	CH183013	INCIN	2-Nov-01	0	2,715	2,715	2,715	0	0	759	NYG2001411	C HARBORS	
VASTE TOLUENE	HAZ	F005, D021		SPRING GROVE	CH183169	INCIN	2-Nov-01	0	2,809	2,809	2,809	0	0	759	NYG2001411	C HARBORS	
VASTE SOLID ACE/M	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	2-Nov-01	0	2,672	2,672	2,672	0	0	760	NYG2001393	C HARBORS	
VASTE SOLID MCB	HAZ	F002, F005, D021		CLEAN HAR	CH131345	INCIN	2-Nov-01	0	891	891	891	1 0	0	760	NYG2001393	C HARBORS	
VASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH14592	INCIN	2-Nov-01	1 0	1,616	1.616	1.616	0	0	761	MDC0903452	C HARBORS	
	 	1 000, 5001		OLL: NOTIFIC		110111	2110101	+	1,0,0	1,010	1,515	† •					
VASTE SOLID PTSI	HAZ	F002, F003, F005, D021, D022		SPRING GROVE	CH183171	INCIN	2-Nov-01	1 0	2,990	2,990	2,990	0	l o	762	NYG2001429	C HARBORS	1
VASTE SOLID PCF	HAZ	D021		SPRING GROVE	CH124257	INCIN	2-Nov-01	1	112	112	112	Ō	D	762	NYG2001429	C HARBORS	
VASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183189	INCIN	21-Nov-01	3560	26,700	26,700	26,700	ō	0	765	MDC0896448	C HARBORS	
VASTE CBZ/TOLUENE	HAZ	F002, F005, DO21		CLEAN HAR	CH183179	INCIN	30-Nov-01	0	2,167	2.167	2,167	0	Ö	765	NYG2001726	C HARBORS	
VASTE ACETONE	HAZ	F003, D001,		SPRING GROVE	CH147750	INCIN	30-Nov-01	0	720	720	720	i o	0	766	NYG2001735	C HARBORS	
VASTE MET/TRIETH	HAZ	F003, D001		SPRING GROVE	CH122220	INCIN	30-Nov-01	0	502	502	502	0	0	766	NYG2001735	C HARBORS	
VASTE NBI	HAZ	D001, D002		SPRING GROVE	CH156167	INCIN	30-Nov-01	0	842	842	842	0	0	766	NYG2001735	C HARBORS	
VASTE CBZ/PCF	HAZ	D021		SPRING GROVE	CH124257	INCIN	30-Nov-01	0	176	176	176	0	0	766	NYG2001735	C HARBORS	
VASTE NITRILES	HAZ	= = -		CLEAN HAR	CH158112	INCIN	30-Nov-01	0	573	573	573	0	0	767	NYG2001717	C HARBORS	
VASTE PNBC	HAZ			CLEAN HAR	CH183168	INCIN	30-Nov-01	0	888	888	888	0	0	767	NYG2001717	C HARBORS	
VASTE NBI	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	30-Nov-01	0	470	470	470	0	0	767	NYG2001717	C HARBORS	
VASTE ACE/METH	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH12	INCIN	30-Nov-01	0	463	463	463	0	0	767	NYG2001717	C HARBORS	
VASTE HCL	HAZ	D002		CLEAN HAR	CH158111	INCIN	30-Nov-01	0	745	745	745	0	0	768	CTF0825194	C HARBORS	
				-	-					1							
VASTE PTSI/ACET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH183171	INCIN	30-Nov-01	0	1,734	1,734	1,734	0	0	768	CTF0825194	C HARBORS	
VASTE MCB	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	30-Nov-01	0	1,013	1,013	1,013	0	0	772	MDC0902826	C HARBORS	
VASTE CB	HAZ	D001, D021		CLEAN HAR	CH154636	INCIN	30-Nov-01	0	1,950	1,950	1,950	0	0	772	MDC0902826	C HARBORS	
VASTE CB	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	30-Nov-01	0	430	430	430	0	0	772	MDC0902826	C HARBORS	
VASTE BUTYRIC/POH	HAZ	D001,D002		CLEAN HAR	CH156189	INCIN	30-Nov-01	0	608	608	608	Ö	0	773	MDC0902832	C HARBORS	
VASTE	HAZ	D001,		CLEAN HAR	CH	INCIN	30-Nov-01	0	450	450	450	0	0	773	MDC0902832	C HARBORS	
VASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	30-Nov-01	0	561	561	561	0	0	774	MDC0902833	C HARBORS	
VASTE ACETONE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	30-Nov-01	0	1,459	1,459	1,459	0	0	774	MDC0902833	C HARBORS	
VASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	30-Nov-01	0	1,630	1,630	1,630	0	Ō	774	MDC0902833	C HARBORS	
VASTE TOLUENE	HAZ	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	5-Dec-01	5000	37,500	37,500	37,500	0	0	775	MI8170504	FRANKS VACUUM	
VASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	6-Dec-01	5000	37,500	37,500	37,500	0	0	776	MI8170505	FRANKS VACUUM	
VASTE TOL/METHAN	HAZ	D001		EQ RESOURCE	J51201OTS	INCIN	12-Dec-01	5000	37,500	37,500	37,500	0	0	777	MI7612329	BUFFALO FUEL	
ASTE TOLUENE	HAZ	D001, F005		EI DUPONT	WTS3130	WWT	14-Dec-01	5000	41,700	41,700	0	41,700	0	778	NJA4087149	BUFFALO FUEL	
/ASTE TOL/METHAN	HAZ	D001, F003, F005		EI DUPONT	OW11243	WWT	18-Dec-01	6064	50,574	50,574	0	50,574	0	779		BUFFALO FUEL	
VASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	19-Dec-01	5900	44,250	44,250	44,250	0	0	780		BUFFALO FUEL	
VASTE TOL/METHAN	HAZ	D001, F003, F005		EI DUPONT	OW11243	WWT	20-Dec-01	5516	46,003	46,003	0	46,003	0	781		BUFFALO FUEL	
VASTE TOL/METHAN	HAZ	D001. F003, F005		EQ RESOURCE	J51201	INCIN	21-Dec-01	6000	45,000	45,000	45,000	0	0	782		BUFFALO FUEL	
VASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	28-Dec-01	5000	37,500	37,500	37,500	0	0	783	MI7612331	BUFFALO FUEL	
VASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	31-Dec-01	5000	37,500	37,500	37,500	0	0	784	MI7612332	BUFFALO FUEL	
			-	***					320.8	320.8	227.7	69.1	4.4				
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TOTAL

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IVEA		2-Jaii-U2															
WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE		TONS PER
DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
			WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
		TONS HAZ WASTE	\$/TON	\$		 		ļ <u>-</u>				<u> </u>					
Total tons hazardous waste		320.8				-	CHANGED ON	2/28/02 - FC	OUND ERRO	OR IN THE	MACRO SET UP.	·					
Total tons incineration		227.7	\$9.00	\$2,049.50)												
Total tons wwt		69.1	\$16.00	\$1,106.22	2												
Total tons recycle		3.3	\$0.00	\$0.00)												
Tons recycle incineration		1.1	\$9.00	\$9.90)												

\$3,165.62

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WASTE DESCRIPTION	HAZ / NON	PROCES GENERATING WASTE	DISP METHOD	SHIP DATE	DISP VOL GAL	DISP WT. #'S	HAZ. WT. #'S	INCIN. WT. #'S	WW WT. #'S	RECY / REC IN	#'S PER CATEGORY
WASTE SOLID DIMETH	HAZ	ACL	INCIN	15-Jun-01	0	223	223	223	0	0	223
WASTE AVANEL	NON	AVANEL	INCIN	21-May-01	0	34,900	34,900	34,900	0	0	44,215
WASTE AVANEL	NON	AVANEL	INCIN	21-May-01	0	9,315	9,315	9,315	0	0	,,_
WASTE BENZYL /METH	HAZ	BCF	INCIN	15-Jun-01	0	464	464	464	0	0	789
WASTE LIQUID BCF, MCL	HAZ	BCF	INCIN	4-Apr-01	0	325	325	325	0	0	
WASTE BUTYRIC POH	HAZ	BUCL	INCIN	15-Jun-01	0	5,895	5,895	5,895	0	0	97,316
WASTE CHLOROBTUA	HAZ	BUCL	INCIN	15-Jun-01		2,104	2,104	2,104	0	0	
WASTE DIMETHY/BUT	HAZ	BUCL	INCIN	21-Jun-01	0	30,380	30,380	30,380	0	0	
WASTE LOW ORGANIC	NON	BUCL	TREATED	12-Jun-01	4500	37,485	37,485	0	37485	0	
WASTE LOW ORGANIC	NON	BUCL	TREATED	12-Jun-01	2500	20,825	20,825	0	20825	0	
WASTE SOLID CORR	HAZ	BUCL	INCIN	15-Jun-01	0	627	627	627	0	0	
WASTE MCB/DEA	HAZ	HEGCL	INCIN	4-May-01	0	854	854	854	0	0	205,146
WASTE SOLID	HAZ	HEGCL	RECYCL	14-May-01	0	5,000	5,000	0	0	5000	
WASTE SOLIDS	HAZ	HEGCL	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	
WASTE TOLUENE	HAZ	HEGCL	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	<u> </u>
√VASTE TOLUENE	HAZ	HEGCL	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	***************************************
WASTE TOLUENE	HAZ	HEGCL	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	11-May-01	0	2,075	15,004	15,004	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	22-Jun-01	5000	36,154	36,154	36,154	0	0	
WASTE TOLUENE/CB	HAZ	HEGCL	INCIN	15-Jun-01	0	442	442	442	0	0	
WASTE ACE/METH	HAZ	Lab	INCIN	4-May-01	0	806	806	806	0	0	4,412
WASTE FLAMABLE LIQ	HAZ	Lab	INCIN	4-May-01	0	1,135	1,135	1,135	0	0	······································
WASTE PROPANOL/ME	HAZ	Lab	INCIN	15-Jun-01	0	610	610	610	0	0	
WASTE SOLID ACE/MET	HAZ	Lab	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	
WASTE ACETONE	HAZ	PHCF	INCIN	4-May-01	0	463	463	463	0	0	6,220
WASTE FLAMABLE LIQ	HAZ	PHCF	INCIN	4-May-01	0	294	294	294	0	0	
WASTE FLAMABLE LIQ	HAZ	PHCF	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	
WASTE SOLID PHENOL	HAZ	PHCF	INCIN	4-May-01	0	35	35	35	0	0	
WASTE SOLIDS	NON	PHCF	INCIN	4-May-01	0	3,321	3,321	3,321	0	0	
WASTE SOLIDS	NON	Pilot Lab	INCIN	4-May-01	0	1,722	1,722	1,722	0	0	2,078
WASTE TETR/HCL	HAZ	Pilot Lab	INCIN	4-May-01	0	356	356	356	0	0	· · · · · · · · · · · · · · · · · · ·
NON REGULATED MAT	NON	Plant	INCIN	15-Jun-01	0	610	610	610	0	0	22,384
NON REGULATED MAT	NON	Plant	INCIN	15-Jun-01	0	806	806	806	0	0	
Speedy Dry/Calcium Chl.	NON	Plant	INCIN	15-Jun-01	0	321	321	321	0	0	
NASTE	HAZ	Plant	INCIN	4-May-01	0	721	721	721	0	0	
WASTE ACETONE	HAZ	Plant	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	

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Nev 1/12/01	ſ			-					<u> </u>		
WASTE DESCRIPTION	HAZ / NON	PROCES GENERATING WASTE	DISP METHOD	SHIP DATE	DISP VOL GAL	DISP WT. #'S	HAZ. WT. #'S	INCIN. WT. #'S	WW WT. #'S	RECY / REC IN	#'S PER CATEGORY
WASTE ACETONE	HAZ	Plant	INCIN	15-Jun-01	0	698	698	698	0	0	
WASTE COMB LIQUID	NON	PLANT	INCIN	27-Apr-01	0	171	171	0	0	171	
WASTE FLAMABLE LIQ	HAZ	Plant	INCIN	4-May-01	0	419	419	419	0	0	
WASTE LIQUID	HAZ	Plant	INCIN	4-May-01	0	822	822	822	0	0	
WASTE SOLID	HAZ	Plant	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	
WASTE SOLID	HAZ	Plant	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	
WASTE SOLIDS	HAZ	Plant	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	
TOXIC LIQUID ORGANIC	NON	PNBC	INCIN	15-Jun-01	0	2,026	2,026	2,026	0	0	11,661
WASTE ACETONE	HAZ	PNBC	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	
WASTE FLAMABLE LIQ	HAZ	PNBC	INCIN	4-May-01	0	935	935	935	0	0	
WASTE FLAMABLE LIQ	HAZ	PNBC	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	
WASTE LIQUID	NON	PNBC	INCIN	4-May-01	0	498	498	498	0	0	
WASTE LIQUID	NON	PNBC	INCIN	4-May-01	0	144	144	144	0	0	
WASTE N-BUT	HAZ	PNBC	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	
WASTE POH	HAZ	PNBC	INCIN	15-Jun-01	0	804	804	804	0	0	
'VASTE SOLID PCF	HAZ	PNBC	INCIN	16-May-01	0	354	354	354	0	0	
TSI RESIDUE	NON	PTSI	INCIN	15-Jun-01	0	4,108	4,108	4,108	0	0	12,693
WASTE CHLORBENZE	HAZ	PTSI	INCIN	4-May-01	0	932	932	932	0	0	
WASTE CHLOROBEN	HAZ	PTSI	INCIN	15-Jun-01	0	469	469	469	0	0	
WASTE FUEL OIL, MCB	HAZ	PTSI	INCIN	4-May-01	0	475	475	475	0	0	
WASTE FUEL OIL, MCB	HAZ	PTSI	INCIN	4-May-01	0	493	493	493	0	0	
WASTE MCB	HAZ	PTSI	INCIN	15-Jun-01	0	425	425	425	0	0	
WASTE NON REG	NON	PTSI	INCIN	4-May-01	0	5,094	5,094	5,094	0	0	
WASTE SOLID MCB	HAZ	PTSI	INCIN	4-May-01	0	180	180	180	0	0	
WASTE SOLID PTSI	HAZ	PTSI	INCIN	15-Jun-01	0	517	517	517	0	0	

407,137

407,137

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YT		HAZ/	PROCESS		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	TONS PER
	DESCRIPTION	NON	GEN	TSDF	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	CATEGORY
	WASTE DATE		WASTE				gals	lbs	lbs	lbs	lbs	lbs	NUM	4.5.4
-	WASTE DMF	HAZ	ACL	CLEAN HAR	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	19,049
-	WASTE NON REGULATE	NON	Amide Chloride	CLEAN HAR		31-Aug-01	0	9,775	0		<u> </u>		738	
	WASTE LIQ BZOH	HAZ	BCF	CLEAN HAR	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	8,430
-	WSTE FLAM LIQUID	HAZ	BCF	CLEAN HAR	INCIN	31-Aug-01	0	4,747	4,747	4,747	0	0	735	4
	WSTE FLAM LIQUID BCF	HAZ	BCF	CLEAN HAR		31-Aug-01	0	426	426				736	
	WASTE TOLUENE	HAZ	HEGCL	CLEAN HAR	INCIN	27-Jul-01	0	751	751	751	0	0	711	83,027
	WSTE FLAM LIQUIDMET	HAZ	HEGCL	CLEAN HAR	INCIN	31-Aug-01	0	1,141	1,141	1,141	0	0	736	_
	WASTE TOLUENE	HAZ	HEGCL	CLEAN HAR	INCIN	20-Sep-01	0	234	234	234	0	0	741	_
-	WASTE FLAM LIQUID	HAZ	HEGCL	CLEAN HAR	INCIN	20-Sep-01	0	11,498	11,498	11,498	0	0	741	
	WASTE DEA	HAZ	HEGCL	CLEAN HAR	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	_
	WASTE FLAM LIQUID	HAZ	HEGCL	CLEAN HAR	INCIN	28-Sep-01	6221	46,658					748	
	WASTE LIQUID MCB, TOL	HAZ	HEGCL	CLEAN HAR	INCIN		0	20,560	20,560	0	0	0	722]
4	WASTE SOLID	HAZ	LAB	CLEAN HAR	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	5,198
11	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	27-Jul-01	0	459	459	459	0	0	715	
_5]	WASTE SOLID	HAZ	Lab	CLEAN HAR	INCIN	27-Jul-01	0	851	851	851	0 _	0	716	_
<u>' 1</u>	WASTE ACE/CHLORIDE	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	10	10	10	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	41	41	41	0	0	723	
_1	WASTE OXIDIAING LIQ	HAZ	Lab	CLEAN HAR	TREATED	9-Aug-01	0	6	6	0	0	0	723	
1	WASTE BCF	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	35	35	35	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	16	16	16	0	0	723	
11	WASTE TOXIC LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	11	11	11	0	0	723	
2	WASTE ALLYL ALCOHO	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	10	10	10	0	0	723	
1	WASTE CORROSIVE LIQ	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	22	22	22	0	0	723	
11	WASTE PHENOL SOL	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	14	14	14	0	0	723	
11	WASTE CORROSIVE SOL	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	Ō	8	8	8	0	0	723	1
11	WASTE SODIUM SULF	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	12	12	12	0	0	723	
11	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	6	6	6	0	0	723	1
11	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	4	4	4	0	0	723	1
11	WASTE CHLOROFORM	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	4	4	4	0	0	723	1
11	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	7	7	7	0	0	723	1
41	WASTE METHYL CF	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	28	28	28	0	0	723	1
	WASTE METHYL CHLO	HAZ	Lab	CLEAN HAR	TREATED	9-Aug-01	0	4	4	0	0	0	723	
1/	POTASSIUM HYDROX	NON	LAB	CLEAN HAR		9-Aug-01	0	14	0	14			724	1
	FLAM SOLID ORGANIC	NON	LAB	CLEAN HAR		9-Aug-01	0	12	0	12	-		724	1
	CORROSIVE SOLID ACID	NON	LAB	CLEAN HAR		9-Aug-01	0	6	0	6			724	1
	WASTE SOLID ACE MET	HAZ	LAB	CLEAN HAR	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	1
_	WASTE FLAM LIQUID	HAZ	LAB	CLEAN HAR	INCIN	20-Sep-01	0	287	287	287	0	1 0	740	†
	WASTE FLAM LIQUID	HAZ	LAB	CLEAN HAR	INCIN	20-Sep-01	0	446	446	446	0	0	746	†
_	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	16-Aug-01	4773	43,788	0	4,773	0	1 0	726	192,175
	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	23-Aug-01	5200	47,705	Ö	5,200	0		727	1 .52,170
	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	23-Aug-01	5116	46,934	0	5,116	0	0	728	1
	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	23-Aug-01	5516	50,604	Ö	5,516	0	1 0	729	†
	SOLID CONT LIQUIDS	NON	PHCF	CLEAN HAR	INOIN	31-Aug-01	0	2,635	0	2,635	0	1 0	734	1
	NON REQ MATERIAL	NON	PHCF	CLEAN HAR		20-Sep-01	0	450	0	2,000	<u> </u>	+	743	1
	SOLID CONT LIQUIDS	NON	PHCF	CLEAN HAR		20-Sep-01 20-Sep-01	0	60	0			 	743 744	-

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1	WASTE	HAZ/	PROCESS		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	TONS PER
QTY	DESCRIPTION	NON	GEN	TSDF	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	CATEGORY
			WASTE				gals	lbs	lbs	ibs	lbs	lbs	NUM	
2	HAZ WASTE SOLID	HAZ	Plant	CALGON CARB	TREATED	16-Jul-01	0	5,000	5,000	0	0	0	709	240,768
1	WASTE FLAM LIQUIDS	HAZ	plant	CLEAN HAR	INCIN	26-Jul-01	3100	23,250			0	0	710	
9	WASTE LIQ ACETONE	HAZ	Plant	CLEAN HAR	INCIN	27-Jul-01	0	3,192	3,192	3,192	0	0	711]
1	WASTE SOLID	HAZ	PLANT	CLEAN HAR	INCIN	27-Jul-01	0	327	327	327	0	0	712	
1	WASTE CORROSIVE SOL	NON	PLANT	CLEAN HAR	STORAGE	27-Jul-01	0	64	0				713	
5	WASTE CORROSIVE SOL	NON	PLANT	CLEAN HAR	STORAGE	27-Jul-01	0	3,111	0				713	
1	NON REGULATED MAT	NON	PLANT	CLEAN HAR	STORAGE	27-Jul-01	0	226	0				714	
1	NON REGULATED OIL	NON	Plant	CLEAN HAR	INCIN	27-Jul-01	0	410	0	0	0	0	717	7
1	WASTE CAUSTIC LIQ	HAZ	Plant	CLEAN HAR	TREATED	27-Jul-01	0	497	497	0	0	0	718	1
1	WASTE LIQUID	HAZ	Plant	CLEAN HAR	INCIN	27-Jul-01	0	402	402	402	0	0	718	7
7	WASTE SOLID	HAZ	Plant	ENVIROTROL	RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	
1	NON REGULATED MAT	NON	PLANT	CLEAN HAR	INCIN	30-Jul-01	2665	28,138			0	0	721	7
1	WASTE NON REGULATE	NON	Plant	CLEAN HAR	INCIN	15-Aug-01	4464	40,953	0	4,464	0	0	725	7
	WASTE NON REGULATE	NON	PLANT	NOCO		24-Aug-01	0	8,000	0	·			730	7
5	WASTE SOLID CLOR TOL	HAZ	PLANT	CLEAN HAR		31-Aug-01	0	2,590	2,590				732	7
	WASTE SOIL	NON	Plant	CLEAN HAR	INCIN	31-Aug-01	0	635	0	635	0	0	733	7
	WASTE NON REGULATE	NON	PLANT	CLEAN HAR		31-Aug-01	0	386	0	386	0	0	734	7
	WSTE FLAM LIQUID ACE	HAZ	PLANT	CLEAN HAR	INCIN	31-Aug-01	0	335	335	335	0	0	736	1
	WASTE NON REGULATE	NON	Plant	CLEAN HAR		31-Aug-01	0	2,662	0				737	1
	WASTE SOLID	HAZ	PLANT	ENVIROTROL	RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	7
	WASTE SOLID ACE MET	HAZ	PLANT	CLEAN HAR	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	1
-	WASTE LIQ CHL/TOL	HAZ	PLANT	CLEAN HAR	INCIN	20-Sep-01	0	1,413	1,413	1,413	0	0	741	1
	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	334	0	0	0	0	742	1
	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	2,946	0	0	0	0	742	1
	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	4,068	0				743	1
	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	272	0				743	1
	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	739	0				744	1
	WASTE ACETONE	HAZ	PLANT	CLEAN HAR	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	1
	WASTE SOLID TOLUENE	HAZ	PLANT	ENVIROTROL	RECYCLE	25-Sep-01	0	36,000	36,000	0	0	36000	747	7
	WSTE FLAM LIQUID POH	HAZ	PNBC	CLEAN HAR		31-Aug-00	0	25	25				736	6,824
	WASTE LIQ POH	HAZ	PNBC	CLEAN HAR	INCIN	27-Jul-01	0	314	314	314	0	0	711	1 ''
	WASTE FLAM LIQUIDS	HAZ	PNBC	CLEAN HAR	INCIN	27-Jul-01	0	463	463	463	0	0	711	1
	NON REGULATED MAT	NON	PNBC	CLEAN HAR	STORAGE	27-Jul-01	0	469	0		 		713	1
<u> </u>	WSTE FLAM LIQUID	HAZ	PNBC	CLEAN HAR	INCIN	31-Aug-01	0	1,296	1,296	1,296	0	1 0	735	1
	WASTE POH	HAZ	PNBC	CLEAN HAR	INCIN	20-Sep-01	0	3,782	3,782	3,782	0	1 0	745	1
	WASTE FLAM LIQUID	HAZ	PNBC	CLEAN HAR	INCIN	20-Sep-01	0	475	475	475	0	0	746	-
	WASTE CHLOROBEN	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	1,018	1,018	1,018	0	0	712	14,459
	WASTE WATER REACTIVE	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	210	210	210	0	0	712	1 .,,,,,,,,,
	NON REGULATED MAT	NON	PTSI	CLEAN HAR	STORAGE	27-Jul-01	0	1,799	0		├ <u>ॅ</u>	-	714	1
	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	408	408	408	0	1 0	715	1
	WASTE PTSI ACETONE	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	1 0	717	1
	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	1,782	1,782	1,782	0		719	1
	WASTE SOLID PTSI ACE	HAZ	PTSI	CLEAN HAR	INCIN	31-Aug-01	0	1,665	1,665	1,665	0		731	1
	WSTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	31-Aug-01	0	459	459	459	0	1 0	735	1
	WSTE FLAM LIQUID								503	503	0		735	1
<u> </u>	VVOIE FLANI LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	31-Aug-01	0	503	1 503	1 503			130	J

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QTY	WASTE DESCRIPTION	HAZ/ NON	PROCESS GEN	TSDF	DISP METHOD	SHIP DATE	DISP VOL	DISP WT	HAZ WT	INCINERATION WT	WW WT	RECYCLE RECOVERY	MFST DOC	TONS PER CATEGORY
			WASTE				gals	lbs	lbs	ibs	lbs	lbs	NUM	
4	WASTE NON REGULATE	NON	PTSI	CLEAN HAR		31-Aug-01	0	2,204	0				737	7
3	NON REQ MATERIAL	NON	PTSI	CLEAN HAR		20-Sep-01	0	1,644	0				744	7
1	WASTE CHLOROBENZ	HAZ	PTSI	CLEAN HAR	INCIN	20-Sep-01	0	575	575	575	0	0	745	7
1	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	20-Sep-01	0	304	304	304	0	0	746	7
2	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	20-Sep-01	0	854	854	854	0	0	746	7

569,930 569,930

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WASTE	HAZ/	EPA	PROCESS		T	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE	T	TONS PER
DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	Wt	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
			WASTE		CODE			gals	lbs	lbs	Ibs	lbs	lbs	NUM	NUM		
WASTE FLAM LIQUID	Α	D001, D002		CLEAN HAR	CH147710	INCIN	20-Sep-01	0	287	287	287	0	0	740	CTF0829916	C HARBORS	0.34
WASTE LIQUID FLAM	A	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	23-Feb-01	0	400	400	400	400	. 0	666	CTF0929756	C HARBORS	-
WASTE FLAM LIQUIDS	A	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	2-Feb-01	0	977	977	977	977	0	665	IL8621467	C HARBORS	0.73
WASTE FLAM LIQUIDS	Α	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	2-Feb-01	0	475	475	475	475	0	665	IL8621467	C HARBORS	_
WASTE DMF	A	D001	Amide Chloride	CLEAN HAR		INCIN	2-Feb-01	0	150	150	150		0	663	MAM692146		4.71
WASTE DMF	A	D001	ACL	CLEAN HAR	CH131343	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	MAM890923		-
WASTE TOLUENE	A	F005, D001	hegcl	CLEAN HAR	CH183169B	INCIN	14-Mar-01		40,940	40,940	40,940	40,940	0	673	MDC0727121		236.43
WASTE TOLUENE	A	F005, D001, D002	HEGCL_	CLEAN HAR	CH183169B	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	00	676	MDC0727122		_
WASTE TOLUENE	<u>A</u>	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	25-Apr-01	4361	31,533	31,533	31,533	<u>0</u>	00	677	MDC0727123	 	_
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	11-May-01	2075	15,004	15,004	15,004	0	0	690	MDC0727125		_
WASTE TOLUENE	<u>A</u>	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	695	MDC0727128		_
WASTE TOLUENE WASTE FUEL OIL, MCB	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	22-Jun-01	5000	36,154	36,154	36,154			708	MDC0727129	CHARBORS	_
WASTE FUEL OIL, MCB	- A	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	475	475	475	0	0	680	MDC0800675	C HARBORS	_
WASTE FLAW LIQUID WASTE LIQUID POH	- A	F002, D001, D021 D001	PTSI	CLEAN HAR	CH131275	INCIN	27-Jul-01	0	1,782	1,782	1,782	0	0	719	MDC0860270		_
WASTE CHLOROBEN		D001 D001, D021	PNBC	CLEAN HAR	CH183013 CH154636	INCIN	23-Feb-01	0	901	901	901	901	0	667	MDC0891562		-
WASTE CHLOROBEN WASTE FLAM LIQUID	- <u> </u>	F002, D001, D021		CLEAN HAR CLEAN HAR	CH154536 CH124??	INCIN	27-Jul-01 27-Jul-01	0	1,018 408	1,018 408	1,018 408	0	00	712	MDC0891975 MDC0891976		_
WASTE TOLUENE		F002, D001, D021	HEGCL	CLEAN HAR	CH12477 CH183169	INCIN	27-Jul-01 27-Jul-01	1 0	751	751	751	<u> </u>	0	715 711	MDC0891976		-
WASTE FLAM LIQUIDS	<u>^</u>	D001, D021	HEGGL	CLEAN HAR	CH154633	INCIN	27-Jul-01 27-Jul-01	0	463	463	463	0	0	711	MDC0891977		-
WASTE FLAM LIQUID	<u> </u>	F005, D001	· · · · · · · · · · · · · · · · · · ·	CLEAN HAR	CH183169	INCIN	9-Oct-01	0	4,350	4,350	4,350	0	0	749	MDC0891977		-
WASTE TOLUENE	- A	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	683	MDC0893658		-
WASTE FLAMABLE LIQ	- A	D001, D021	PNBC	CLEAN HAR	CH183169 CH124412	INCIN	4-May-01	0	935	935	935	0	0	683	MDC0893658		-
WASTE FUEL OIL, MCB	- A	D001, D021	PTSI	CLEAN HAR	CH124412 CH131275	INCIN	4-May-01	0	493	493	493	0	0	681	MDC0893656		_
WASTE FOLE OIL, MCB	A	D001, P002, D021	PTSI	CLEAN HAR	CH131275 CHI56168	INCIN	4-May-01	0	932	932	932	0	0	681	MDC0893659		-
WASTE TOLUENE	Ā	F005, D001	1 101	CLEAN HAR	CH183169	INCIN	20-Sep-01	0	234	234	234	0	0	741	MDC0894881		•
WASTE FLAM LIQUID	A	F005, D001	f	CLEAN HAR	CH147734	INCIN	20-Sep-01	0	11,498	11,498	11,498		0	741	MDC0894881	C HARBORS	-
WASTE LIQ CHL/TOL	A	F002, F005, D021		CLEAN HAR	CH183179	INCIN	20-Sep-01	0	1,413	1,413	1,413	- 0	0	741	MDC0894881		-
WASTE DEA	A	D001		CLEAN HAR	CH131343	INCIN	20-Sep-01	0	2,185	2,185	2,185	ŏ	Ö	745	MDC0894882		-
WASTE CHLOROBENZ	A	D001, D021		CLEAN HAR	CH156168	INCIN	20-Sep-01	 0	575	575	575	ŏ	0	745	MDC0894882		1
WASTE POH	A	D001		CLEAN HAR	CH183013	INCIN	20-Sep-01	0	3,782	3.782	3,782	ŏ	ů	745	MDC0894882		†
WASTE FLAM LIQUID	A	F002, F003, F005, D001, D021, D022		CLEAN HAR	CH124269	INCIN	20-Sep-01	0	446	446	446	ŏ	0	746	MDC0894883		1
WASTE FLAM LIQUID	A	F002, D001, D021		CLEAN HAR	CH124271	INCIN	20-Sep-01	0	304	304	304	0	0	746	MDC0894883		
WASTE FLAM LIQUID	A	D001, D021		CLEAN HAR	CH124412	INCIN	20-Sep-01	0	475	475	475	0	0	746	MDC0894883	C HARBORS	1
WASTE FLAM LIQUID	A	F002, D001, D021		CLEAN HAR	CH131275	INCIN	20-Sep-01	0	854	854	854	0	0	746	MDC0894883	C HARBORS	1
WASTE FLAM LIQUID	Α	F005, D001		CLEAN HAR	CH183189	INCIN	21-Nov-01	3560	26,700	26,700	26,700	0	0	765	MDC0896448	C HARBORS	
WASTE FLAM LIQUID	Α	D001		CLEAN HAR	CH157622	INCIN	17-Oct-01	3975	39,119	39,119	39,119	0	0	753	MDC0896645	BUFFALO FUEL	1
WASTE FLAM LIQUID	A	D001		CLEAN HAR	CH157821	INCIN	18-Oct-01	4268	42,002	42,002	42,002	0	0	754	MDC0896646	BUFFALO FUEL	1
WASTE FLAM LIQUID	Α	D001		CLEAN HAR	CH157821	INCIN	19-Oct-01	3394	33,401	33,401	33,401	0	0	755	MDC0896647		
WASTE TOLUENE/CB	A	F005, D001, D021	HEGCL	CLEANHAR	CH156194	INCIN	15-Jun-01	0	442	442	442	0	0	705	MDC0897595	C HARBORS	}
WASTE POH	A	D001	PNBC	CLEAN HAR	CH183013	INCIN	15-Jun-01	0	804	804	804	0	0	705	MDC0897595	C HARBORS	
WASTE CHLOROBEN	A	D001, D021	PTSI	CLEAN HAR	CH156187	INCIN	15-Jun-01	0	469	469	469	0	0	706	MDC0897596		
WASTE BENZYL /METH	A	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	15-Jun-01	0	464	464	464	0	0	706	MDC0897596		
WASTE MCB	A	D001, D021	PTSI	CLEAN HAR	CH124412	INCIN	15-Jun-01	0	425	425	425	0	0	706	MDC0897596		
WASTE MCB	<u> A</u>	D001, D021		CLEAN HAR	CH124412	INCIN	30-Nov-01	0	1,013	1,013	1,013	0	0	772	MDC0902826	C HARBORS	[
WASTE CB	A	D001, D021	ļ	CLEAN HAR	CH154636	INCIN	30-Nov-01	0	1,950	1,950	1,950	0	0	772	MDC0902826	C HARBORS	
WASTE CB	A	D001, D021		CLEAN HAR	CH156168	INCIN	30-Nov-01	0	430	430	430	0	0	772	MDC0902826	C HARBORS	
WASTE DOLL	- A	D001,		CLEAN HAR	ICH	INCIN	30-Nov-01	0	450	450	450	0	0		MDC0902832	C HARBORS	
WASTE POH WASTE TOLUENE	<u> A</u>	D001	 	CLEAN HAR	CH183013	INCIN	30-Nov-01	0	561	561	561	0	0	774	MDC0902833	C HARBORS	1
WASTE TOLUENE WASTE FLAM LIQUID	A	F005, D001	 	CLEAN HAR	CH183169	INCIN	30-Nov-01	0	1,630	1,630	1,630	0	0	774	MDC0902833	C HARBORS	
WASTE FLAM LIQUID		F005, D001 F005, D001		CLEAN HAR	CH183169	INCIN	28-Sep-01	6221	46,658	46,658	46,658			748	MDC0902940		-
WSTE FLAM LIQUID POH	- <u>A</u>	D001	PNBC	CLEAN HAR	CH14592	INCIN	2-Nov-01	0	1,616	1,616	1,616	0	0	761	MDC0903452		1
WSTE FLAM LIQUIDMET	- A	F003, F005, D001	PINBC	CLEAN HAR	CH197152	INCIN	31-Aug-00	0	25	25	1 141	0	0	736	MDC0903645		
WSTE FLAM LIQUID	A	D001, D021		CLEAN HAR CLEAN HAR	CH187152 CH124412	INCIN	31-Aug-01 31-Aug-01	0	1,141 1,296	1,141 1,296	1,141 1,296	0	0	736 735	MDC0903645 MDC0903646	C HARBORS C HARBORS	
WSTE FLAM LIQUID	- A	F002, D001, D021		CLEAN HAR	CH124412 CH131275	INCIN	31-Aug-01 31-Aug-01	0	459	459	459	0	0	735	MDC0903646		
WSTE FLAM LIQUID	A A	D001		CLEAN HAR	CH151275 CH154629	INCIN	31-Aug-01 31-Aug-01	0	4,747	4,747	4,747	0	0	735	MDC0903646		
WSTE FLAM LIQUID	A	D001 D001, D021	 	CLEAN HAR	CH154629 CH156168	INCIN	31-Aug-01	0	503	503	503	0	0	735	MDC0903646	C HARBORS	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	675	MDC0903046	C HARBORS	1
WASTE N-BUT ISOCY	A	D001, D003	TILOOL	CLEAN HAR	CH157803	INCIN	10-Oct-01	0	38	38	38	0	0	750	NYG2000772	C HARBORS	18,23
WASTE SOLID MCB	Á	F002, F005, D021		CLEAN HAR	CH131345	INCIN	2-Nov-01	0	891	891	891	0	 0	760	NYG200172	C HARBORS	10,20
WASTE NITRILES	lA			CLEAN HAR	CH158112	INCIN	30-Nov-01	-	573	573	573	- 6		767	NYG2001393	C HARBORS	
WASTE PNBC	la la			CLEAN HAR	CH183168	INCIN	30-Nov-01	j	888	888	888	- 0 - 1	0	767	NYG2001717	C HARBORS	
WASTE NBI	IA I	D001, D002		CLEAN HAR	CH156167	INCIN	30-Nov-01	0	470	470	470	0 1	0	767	NYG2001717	C HARBORS	
WASTE CBZ/TOLUENE	A	F002, F005, DO21		CLEAN HAR	CH183179	INCIN	30-Nov-01	0	2,167	2,167	2,167	0	0	765	NYG2001726	C HARBORS	
WASTE MCB/DEA	A	D001, D021	HEGCL	CLEAN HAR	CH147725	INCIN	4-May-01	0	854	854	854	Ö	0		NYG2633409	C HARBORS	
WASTE FLAMABLE LIQ		D001, F005		CLEAN HAR	CH183161	INCIN	4-May-01	0	294	294	294	Ŏ	0		NYG2633418		
WASTE N-BUT	Α		PNBC	CLEAN HAR	CH156167	INCIN	4-May-01	Ö	3,740	3,740	3,740	0	0		NYG2633418		1
WASTE CHLOROBTUA	_ A		BUCL	CLEAN HAR	CH156186	INCIN	15-Jun-01	Ō	2,104	2,104	2,104	0	0		NYG2634642		
WASTE FLAMABLE LIQ	Α		PCF	CLEAN HAR	CH183161	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0		NYG2634642		
		· · · · · · · · · · · · · · · · · · ·	·														1

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP	SHIP	DISP VOL gals	DISP WT Ibs	HAZ WT lbs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE FLAMABLE LIQ	Α	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	699	NYG2634642	C HARBORS]
WASTE LIQUID	A	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	27-Jul-01	0	402	402	402	0	0	718	NYG2635272		4
WASTE LIQUID MCB, TOL WASTE TOLUENE		F002, F005, D021 D001, F005	ļ	CLEAN HAR EI DUPONT	CH183179B WTS3130	WWT	14-Dec-01	0 5000	20,560 41,700	20,560 41,700	20,560	0 41,700	0	722	NYG3081015	C HARBORS BUFFALO FUEL	69.1
WASTE TOLUENE		D001, F003 D001, F005	 	EI DUPONT	OW11243	WWT	18-Dec-01	6064	50,574	50.574	0	50,574	1 0	779		BUFFALO FUEL	-
WASTE TOL/METHAN	ji	D001, F003, F005		EI DUPONT	OW11243	WWT	20-Dec-01	5516	46,003	46,003	0	46,003	0	781	NJA4087197	BUFFALO FUEL]
WASTE TOL/METHAN	A	D001		EQ RESOURCE	J51201OTS	INCIN	12-Dec-01	5000	37,500	37,500	37,500	0	0	777		BUFFALO FUEL	138.3
WASTE TOL/METHAN	A	D001, F003, F005		EQ RESOURCE	J51201	INCIN	19-Dec-01	5900	44,250	44,250	44,250	0	0	780 783		BUFFALO FUEL BUFFALO FUEL	4
WASTE TOL/METHAN WASTE TOL/METHAN	A A	D001, F003, F005 D001, F003, F005		EQ RESOURCE EQ RESOURCE	J51201 J51201	INCIN	28-Dec-01 31-Dec-01	5000 5000	37,500 37,500	37,500 37,500	37,500 37,500	0	0 0	784		BUFFALO FUEL	4
WASTE TOL/METHAN		D001, F003, F005		EQ RESOURCE	J51201	INCIN	21-Dec-01	6000	45,000	45,000	45,000	0	0	782		BUFFALO FUEL	1
WASTE TOLUENE	A	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	5-Dec-01	5000	37,500	37,500	37,500	0	0	775		FRANKS VACUUM]
WASTE TOL/METHAN	Α	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	6-Dec-01	5000	37,500	37,500	37,500	0	0	776		FRANKS VACUUM	
WASTE FLAM LIQUID	A	F002, F003, F005, D001, D021, D022		SPRING GROVE	CH124269	INCIN	2-Nov-01	0	411	411	411	0	0	758	NYG2001402		6.6
WASTE FLAM LIQUID WASTE FLAM LIQUID	A A	D001, D021 F002, D001, D021		SPRING GROVE SPRING GROVE	CH124412 CH131275	INCIN	2-Nov-01 2-Nov-01	0	1,492 908	1,492 908	1,492 908	0	0	758 758	NYG2001402 NYG2001402		-
WASTE FLAM LIQUID	A	D001		SPRING GROVE	CH151275 CH154629	INCIN	2-Nov-01	0	1,826	1.826	1,826	0	 0	758	NYG2001402		1
NASTE CB	A	D001, D021		SPRING GROVE	CH154636	INCIN	2-Nov-01	Ö	994	994	994	0	0	759	NYG2001411	C HARBORS	
WASTE PNBC	Α	F003, D001		SPRING GROVE	CH183011	INCIN	2-Nov-01	0	656	656	656	0	0	759	NYG2001411	C HARBORS	4
WASTE POH	A	D001		SPRING GROVE	CH183013	INCIN	2-Nov-01	0	2,715	2,715	2,715	0	0	759	NYG2001411	C HARBORS	4
WASTE TOLUENE WASTE MET/TRIETH	IA A	F005, D021		SPRING GROVE	CH183169	INCIN	2-Nov-01	0	2,809 502	2,809 502	2,809 502	0	0	759 766	NYG2001411 NYG2001735	C HARBORS C HARBORS	4
WASTE NBI	- A	F003, D001 D001, D002		SPRING GROVE SPRING GROVE	CH122220 CH156167	INCIN	30-Nov-01 30-Nov-01	0	842	842	842	0	0	766	NYG2001735	C HARBORS	4
WASTE CBZ/PCF	A	D021		SPRING GROVE	CH124257	INCIN	30-Nov-01	Ö	176	176	176	0	0	766	NYG2001735	C HARBORS	1
WASTE SOLID CORR	D	D003	Amide Chloride	CLEAN HAR	CH183160	INCIN	23-Feb-01	0	2,750	2,750	2,750	2,750	0	666	CTF0929756	C HARBORS] 1.4
WASTE SOLID DIMETH	D	D003	AMIDE CHLORIDE	CLEAN HAR	CH169160	INCIN	15-Jun-01	0	223	223	223	0	0	698	CTF0998731	C HARBORS	
WASTE LIQ BZOH	D	D001	BCF	CLEAN HAR	CH154629	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	MDC0891975	C HARBORS	1.8
NSTE FLAM LIQUID BCF NASTE ACE/CHLORIDE	D	F003, D001, D021, D022, F002, F005 U006	BCF Lab	CLEAN HAR	CH124269 JEN-001	INCIN	31-Aug-01 9-Aug-01	0	426 10	426 10	426 10	<u>0</u> 0	0	736 723	MDC0903645 IL9259235	C HARBORS C HARBORS	- 0.1
NASTE ACE/CHLORIDE	E	D001, D002	Lab	CLEAN HAR	JEN-001 JEN-002	INCIN	9-Aug-01 9-Aug-01	0	41	41	41	0	0	723	IL9259235	C HARBORS	† °.'
WASTE OXIDIAING LIQ	Ē	D001, D002, D008	Lab	CLEAN HAR	JEN-005	TREATED	9-Aug-01	Ö	6	6	0	6	0	723	IL9259235	C HARBORS	1
WASTE BCF	E	D003, D002	Lab	CLEAN HAR	JEN-007	INCIN	9-Aug-01	0	35	35	35	0	0	723	IL9259235	C HARBORS]
WASTE FLAM LIQUID	E	D002, D001	Lab	CLEAN HAR	JEN-008	INCIN	9-Aug-01	0	16	16	16	00	0	723	IL9259235	C HARBORS	4
WASTE TOXIC LIQUID WASTE ALLYL ALCOHO	<u> </u>	F002, D002 P005, D001	Lab Lab	CLEAN HAR CLEAN HAR	JEN-009 JEN-010-015	INCIN	9-Aug-01 9-Aug-01	0	11	11	11 10	0	0	723 723	IL9259235 IL9259235	C HARBORS C HARBORS	4
WASTE ALLTE ALCOHO WASTE CORROSIVE LIQ	F	D003, D001	Lab	CLEAN HAR	JEN-010-015	INCIN	9-Aug-01 9-Aug-01	0	22	22	22	0	0	723	IL9259235	C HARBORS	1
WASTE PHENOL SOL	Ē	U188	Lab	CLEAN HAR	JEN-012	INCIN	9-Aug-01	0	14	14	14	0	0	723	IL9259235	C HARBORS	1
WASTE CORROSIVE SOL	E	D003, D001	Lab	CLEAN HAR	JEN-013	INCIN	9-Aug-01	0	8	8	8	0	0	723	IL9259235	C HARBORS]
NASTE SODIUM SULF	E	D003	Lab	CLEAN HAR	JEN-014	INCIN	9-Aug-01	0	12	12	12	0	0	723	IL9259235	C HARBORS	4
WASTE FLAM LIQUID	<u> </u>	P022, D001	Lab	CLEAN HAR	JEN-016	INCIN	9-Aug-01	0	- 6 4	6	6 4	0	0	723 723	IL9259235 IL9259235	C HARBORS C HARBORS	-
WASTE FLAM LIQUID WASTE CHLOROFORM		U079 D002, D001	Lab Lab	CLEAN HAR CLEAN HAR	JEN-017	INCIN	9-Aug-01 9-Aug-01	0	4	4	4 4		1 0	723	IL9259235	C HARBORS	-
NASTE FLAM LIQUID	E	D002, D001	Lab	CLEAN HAR	JEN-019	INCIN	9-Aug-01	0	7	7	7	0	0	723	IL9259235	C HARBORS	1
NASTE METHYL CF	E	U156, D002	Lab	CLEAN HAR	JEN-020-023	INCIN	9-Aug-01	0	28	28	28	0	0	723	IL9259235	C HARBORS	_
NASTE METHYL CHLO	E	D001	Lab	CLEAN HAR	JEN-024	TREATED	9-Aug-01	0	4	4	0	4	0	723	IL9259235	C HARBORS	
FOXIC LIQUID PhCF	<u>F</u>		PHCF	CLEAN HAR	CH183164	INCIN	23-Feb-01	0	10,100	10,100	10,100	10,100 0	0	669 692	NYG2632554 NYG2633653	C HARBORS	5.2
WASTE SOLID PCF WASTE SOLID PTSI	<u>F</u>	F002, F003, F005, D021	PNBC PTSI	CLEAN HAR CLEAN HAR	CH183164 CH183171	INCIN	16-May-01 15-Jun-01	0	354 517	354 517	354 517	0	0	698	CTF0998731		0.2
WASTE SOLID CLOR TOL	- F	F002, F005, D021	1 101	CLEAN HAR	CH183279	incin	31-Aug-01	0	2,590	2,590	2,590	0	0	732	NYG2000592	C HARBORS	2.7
NASTE SOLID PTSI	F	F002, F003, F005, D021, D022		SPRING GROVE	CH183171	INCIN	2-Nov-01	0	2,990	2,990	2,990	0	0	762	NYG2001429	C HARBORS	1
NASTE FLAM LIQUIDS	G	F002, F003, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	2-Feb-01	0	447	447	447	447	0	665	IL8621467	C HARBORS	0.2
WASTE FLAM LIQUIDS	G	D001, D002	Pilot Lab	CLEAN HAR	CH147710	INCIN	23-Feb-01	0	800	800	800	800 0	0	669 682	NYG2632556 MDC0893660	C HARBORS	0.6 1.1
NASTE FLAMABLE LIQ NASTE TETR/HCL	G	D001, D001	Lab LAB	CLEAN HAR CLEAN HAR	CH183173 CH147710	INCIN	4-May-01 4-May-01	0	1,135 356	1,135 356	1,135 356	0	0		NYG2633418		┥ '.'
WASTE PROPANOL/ME	G	F002, D001	LAB	CLEAN HAR	CH183173	INCIN	15-Jun-01	0	610	610	610	0	0		MDC0897595		1
VASTE FLAM LIQUID	Ğ	F002, F003, F005, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	27-Jul-01	0	459	459	459	0	0	715	MDC0891976		1
WASTE DIOXANE	G	U108, D001		CLEAN HAR	CH147739	INCIN	10-Oct-01	0	98	98	98	0	0	750	NYG2000772		┧
HAZ WASTE SOLID	<u> H</u>	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	2-Feb-01	0	258	258	258	258	0	665	IL8621467	C HARBORS	0.1
VASTE SOLID ACE/MET VASTE SOLID	H	F002, F003, F005, D021, D002 F002, F003, F005, D021, D022	LAB Lab	CLEAN HAR CLEAN HAR	CH124262 CH124262	INCIN	15-Jun-01 27-Jul-01	0	1,861 851	1,861 851	1,861 851	0	0	699 716	NYG2634642 MAM890923		0.9 0.4
WASTE SOLID WASTE MCB SOLID		F002, F003, F005, D021, D022	PTSI	CLEAN HAR	CH124262 CH131345	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS	1
VASTE SOLID PHENOL	J	U188	PHCF	CLEAN HAR	CH183012	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS	1.4
VASTE SOLID ACE/MET	J	F002, F003, F005, D021, D022	Plant	CLEAN HAR	CH124262	INCIN	23-Feb-01	0	1,600	1,600	1,600	1,600	0	669	NYG2632557	C HARBORS]
VASTE SOLID	J	F002, F003, F005, D021	Plant	CLEAN HAR	CH183171	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	684	CTF0950717		1.4
VASTE COLUD MOD	J	F000 F005 D004	Plant	CLEAN HAR	CH124264	INCIN	4-May-01	0	721	721	721	0	0	684	CTF0950717		-
VASTE SOLID MCB VASTE SOLID PHENOL	J	F002, F005, D021 U188	PTSI	CLEAN HAR	CH131345	INCIN	4-May-01	0	180 35	180 35	180 35	00	0		NYG2633418 NYG2633418		-
VASTE SOLID PHENOL	J.I	F005	PHCF	CLEAN HAR CLEAN HAR	CH183012 CH154630	INCIN	4-May-01 27-Jul-01	0	327	327	327	0	0		MDC0891975		1.2
ASTE WATER REACTIVE	1	D003, D021	PTSI	CLEAN HAR	CH154030	INCIN	27-Jul-01	0	210	210	210	0	0		MDC0891975		1 ""

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WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PE
DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGO
			WASTE		CODE			gals	lbs	ibs	lbs	lbs	lbs	NUM	NUM		
VASTE SOLID	J	NONE		CLEAN HAR	CH183165	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	MDC0891976	C HARBORS	.1
VASTE SOLID PCF	J	D021		SPRING GROVE	CH124257	INCIN	2-Nov-01	0	112	112	112	0	0	762	NYG2001429	C HARBORS	_]
NASTE BUTYRIC/POH	J	D001,D002		CLEAN HAR	CH156189	INCIN	30-Nov-01	0	608	608	608	0	0	773	MDC0902832	C HARBORS	1
NASTE SOLIDS	K	F002, F005	Plant	CALGON CARB	CAN2543R	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	678	PAX9549831	CALGON CARB] 1.
WASTE SOLIDS	K	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	678	PAX9549831	CALGON CARB]
VASTE SOLID	K	F002	PLANT	CALGON CARB	CAN2542R	RECYCL	14-May-01	0	5,000	5,000	0	0	5000	691	NYB5565141	HAZMAT	1
WASTE SOLID	K	F005	PLANT	CALGON CARB	CAN2543R	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	691	NYB5565141	HAZMAT]
VASTE SOLID TOLUENE	k	F002, F005		ENVIROTROL		RECYCLE	25-Sep-01	0	36,000	36,000	36000	0	0	747	PAX9549794	C HARBORS	1:
WASTE SOLID	K	F002, F005	Plant	ENVIROTROL		RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	PAG311692	BUFFALO FUEL	7 4:
VASTE SOLID	K	F002, F005,		ENVIROTROL		RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	PA9549805	AUTUMN IND]
VASTE SOLID	K	F002, F005		ENVIROTROL	vanchemnyww	RECYCLE	12-Oct-01	0	12,000	12,000	0	0	12000	751	PAX9549772	AUTUMN IND]
VASTE SOLID	K	F002, F005		ENVIROTROL	vanchemnyww		25-Oct-01	0	3,800	3,800	0	0	3800	756	PAX9549761	AUTUMN	1
VASTE SOLID	K	F002		CALGON CAR	CAN2542	RECYCLE	31-Oct-01		5,000	5,000	0	0	5000	757	PAX9549750	HAZMAT]
VASTE HCL	L	D002		CLEAN HAR	CH158111	INCIN	30-Nov-01	0	745	745	745	0	0	768	CTF0825194	C HARBORS] (
VASTE PTSI/ACET	М	F002, F003, F005, D021, D022		CLEAN HAR	CH183171	INCIN	30-Nov-01	0	1,734	1,734	1,734	0	0	768	CTF0825194	C HARBORS] :
WASTE PTSI ACETONE	М	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	CTF0975457	C HARBORS]
VASTE SOLID PTSI ACE	M	F002, F003, F005, DO21	PTSI	CLEAN HAR	CH183171	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	CTF0999168	C HARBORS	1
VASTE SOLID ACE MET	M	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	IL9351544	C HARBORS	7 .
VASTE ACETONE	М	F003, D001	PNBC	CLEAN HAR	CH147750	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	703	MAQ031369	C HARBORS	7 (
																	1
NASTE LIQUID PNBC ACETONE	M	F003, D001	PNBC	CLEAN HAR	CH183011	INCIN	23-Feb-01		2,412	2,412	2,412	2,412	0	667	MDC0891562	C HARBORS	11
VASTE LIQ ACETONE	M	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	27-Jul-01	0	3,192	3,192	3,192	0	0	711	MDC0891977	C HARBORS	1
VASTE ACETONE	M	D001,	?	CLEAN HAR	CH156169	INCIN	4-May-01	0	463	463	463	0	0	683	MDC0893658	C HARBORS	1
WASTE ACETONE	М	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	681	MDC0893659	C HARBORS	1
WASTE LIQUID	M	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	822	822	822	0	0	682	MDC0893660	C HARBORS	1
VASTE FLAMABLE LIQ	М	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	4-May-01	0	419	419	419	0	0	682	MDC0893660	C HARBORS	1
VASTE SOLID ACE MET	M	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	MDC0894881	C HARBORS	1
VASTE ACETONE	М	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	MDC0894882	C HARBORS	1
VASTE BUTYRIC POH	М	D001, D002	BUCL	CLEAN HAR	CH156189	INCIN	15-Jun-01	0	5,895	5,895	5,895	0	0	704	MDC0897594	C HARBORS]
VASTE ACETONE	M	F002, F003, F005, D001	PLANT	CLEAN HAR	CH183167	INCIN	15-Jun-01	0	698	698	698	0	0	705	MDC0897595	C HARBORS	1
VASTE LIQUID BCF, MCL	М	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	4-Apr-01	0	325	325	325	0	0	674	MDC0901969	C HARBORS	1
VASTE ACETONE	М	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	30-Nov-01	0	1,459	1,459	1,459	0	0	774	MDC0902833	C HARBORS	1
VSTE FLAM LIQUID ACE	M	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	31-Aug-01	0	335	335	335	0	0	736	MDC0903645	C HARBORS	1
VASTE SOLID ACE/M	M	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	2-Nov-01	0	2,672	2,672	2,672	0	0	760	NYG2001393	C HARBORS] 17
NASTE ACE/METH	M	F002, F003, F005, D021, D022		CLEAN HAR	CH12	INCIN	30-Nov-01	0	463	463	463	0	0	767	NYG2001717	C HARBORS	1
NASTE ACETONE	M	F003, D001,		SPRING GROVE	CH147750	INCIN	30-Nov-01	0	720	720	720	0	0	766	NYG2001735	C HARBORS	1
																	1
NASTE LIQUID PhCF ACETONE	М	F003, D001	PHCF	CLEAN HAR	CH183161	INCIN	23-Feb-01	0	350	350	350	350	0	669	NYG2632555	C HARBORS	
VASTE SOLID PTSI ACETONE	М	F002, F003, F005, D003, D021	PTSI	CLEAN HAR	CH183171	INCIN	23-Feb-01	0	350	350	350	350	0	668	NYG2632563	C HARBORS	1
VASTE ACE/METH	М	F002, F003, D021, D022		CLEAN HAR	CH124262	INCIN	4-May-01	0	806	806	806	0	0	689	NYG2633418	C HARBORS	1
VASTE DIMETHY/BUT	M	D001	BUCL	CLEAN HAR	WTS1294	INCIN	21-Jun-01	Ō	30,380	30,380	30,380	0	ō		NYG2975643		1
VASTE CAUSTIC LIQUID	Р	D002	Plant	CLEAN HAR		TREATED	24-Jan-01	0	512	512	512	0	512	661	CTF0964019		1
VASTE CAUSTIC LIQ	Р	D002, D005	Plant	CLEAN HAR	CH183156	TREATED	27-Jul-01	0	497	497	0	497	Ö		NYG2635272		1
		,	1 177117						604.41	604.41	476.35	101.22	58.91		,	<u> </u>	1

		TOTAL	site 1	site 2	site 3	site 4	site 5	site 6	site 7	site 8
MISC. SOLVENT WASTE	Α	405.4	0.34	0.73	4.71	236.43	18.23	138.38	6.67	
WASTE OIL	В	0.0	00	•			,			
WASTE DEA	С	0.0	00							
PLANT OUT OF SPEC	D	3.3	1.49	1.84						
LAB PACS	E	0.1	2 0.12							
PROCESS RESIDUE	F	8.2	5.23	0.26	2.79					
LAB LIQUID	G	1.9	0.22	0.63	1.10					
_AB SOLID	Н	1.4	9 0.13	0.93	0.43					
WASTEWATER	1	69.1	4 69.14							
SPILLS / CLEANUP	J	4.1	0 1.41	1.44	1.25					
CARBON	K	76.6	5 14.75	61.90						
MISC CORROSIVE	L	0.3	0.37	1						
PROCESS CLEANOUT	M	33.0	0 2.22	0.77	0.89	11.25	17.87			
WASTE PAINT	N	0.0	0							
TANK CLEANOUT	0	0.0	0							
WW NEUT. / NAOH	Р	0.5	0.26	0.25						
FILTERS	Q	0.0	0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
TOTAL		604.4	1							

1	2002 HAZARDOUS WASTE REPORT WORKSHEET	

	WASTE	HAZ/	EPA	PROCESS	T		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	WASTE FC102		CODE	INCIN	7 1 00	gals		lbs	lbs	lbs	lbs	NUM	NUM	BUES SUS	ļ
	NON REG LAMPS	NON	D001, F003, F005	FC 102	EQ RESOURCE		INCIN	7-Jan-02	5,960	44,700	44,700	44,700	<u> </u>	0	785 786	MI761233	BUFF FUEL	
	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	10826JF	WVT	8-Jan-02	0	49,014	49,014	0	0 49,014	 _	787	PAD987367216 NJA4087198		
	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102 FC102		J51201	INCIN	8-Jan-02 9-Jan-02	4,901 6,000	45,000	45,000	45,000	49,014	0 0	788	MI7612334		
	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	OW11243	WWT	9-Jan-02 10-Jan-02	6,000	50,040	50,040	45,000	50,040		789	NJA4087199		
	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102		J51201	INCIN	10-Jan-02 14-Jan-02	5,960	44,700	44,700	44,700	00,040	1 0	790	MI7612335		
	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	EQ RESOURCE		RECYC	14-Jan-02	0	35,000	35,000	0	0	35,000	791	PAG312152		
	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	15-Jan-02	5,200	43,368	43,368	 	43,368	35,000	792	NJA4087200		
	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	16-Jan-02	6,000	45,000	45,000	45,000	0	1 0	793	MI7612337		
	WASTE DIOXANE	HAZ	U108, D001	Pilot Lab	C HARBOR	CH117739	INCIN	18-Jan-02	0,000	1,097	1,097	1,097	0		794	MDC0895592		
	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH117739 CH154636	INCIN	18-Jan-02	0	1,500	1,500	1,500	0	0	794	MDC0895592		
	WASTE BUT/ POH	HAZ	D001, D002	BUCL	C HARBOR	CH154636 CH156189	INCIN	18-Jan-02	0	835	835	835	0	0	79 4 794	MDC0895592		
	WASTE POH	HAZ	D001, D002	PNBC	C HARBOR		INCIN	18-Jan-02	0	3,634	3,634	3,634	0	1 0	794	MDC0895592		
	WASTETOTT	11/42	D001	FINDC	CHARBOR	CH183013	INCIN	16-Jan-02	<u> </u>	3,034	3,634	3,034	<u> </u>	 	794	MDC0695592	C. HARBURS	
			F002, F003, F005,				!											
1	WASTE BCF METH	HAZ	D001, D021, D022	BCF	CHARRON	011404005	INICINI	10 1 00	0	200	200	200	0		705	MDC000EE03	O HARRORO	1
	WASTE MCB	HAZ	D001, D021, D022	PTSI	C HARBOR	CH124265	INCIN	18-Jan-02	0	399	399	399	0	0	795	MDC0895593		
	WASTE MCB / FUEL	ПАZ	D001, D021	P131	C HARBOR	CH124412	INCIN	18-Jan-02	0	1,334	1,334	1,334	0	0	795	MDC0895593	C. HARBORS	
	OIL	HAZ	E002 D004 D004	DTCI	C LIADDOD	01/40/075	1210121	40 1 00	0	4 400	4.400	1 400	0		705	MDCCCCCC		1
	WASTE N NDIMETHYL	HAZ	F002, D001, D021 D001	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	0	1,100	1,100	1,100	<u> </u>	0	795	MDC0895593		
	WASTE NITRILES	HAZ	D001	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	MDC0895593		
	WASTE NITRILES WASTE PNBC			DNIDO	C HARBOR	CH156112	INCIN	18-Jan-02	0	121	121	121	0	0	796	MDC0895594		
	WASTE PNBC WASTE MCB DEA	HAZ	D004 D004	PNBC	C HARBOR	CH183168	INCIN	18-Jan-02	0	900	900	900	0	0	796	MDC0895594		
		HAZ	D001, D021	PNBC	C HARBOR	CH147725	INCIN	18-Jan-02	0	199	199	199	0	0	796	MDC0895594		
	WASTE CAUSTIC WASTE TMTC/TOL	HAZ	D002, D003	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	MDC0895591		
	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	MDC0895591		
		HAZ	F005, D002, D003	TMTC	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	0	797	MDC0895591		
10	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	MDC0895591	C. HARBORS	
	MARCHE ACETONIE	1147	F002, F003, F005,	<u>.</u>	1.				_				_					1
4	WASTE ACETONE	HAZ	D001	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	MDC0895590	C. HARBORS	
	NAME ASSUMETA		F002, F003, F005,						_				_					l
4	WASTE ACE/METH	HAZ	D021, D022	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	00	829	829	829	0	0	798	MDC0895590	C. HARBORS	
_	MAGTE DEGI		F002, F003, F005,				_						_					l
	WASTE PTSI	HAZ	D021	PTSI	C HARBOR			18-Jan-02	0	2,807	2,807	2,807	0	0		MDC0895589		
	NOT REG TAR	NON			C HARBOR		STORAGE		0	2,905	2,905	0	00		800	MAD03932225		
	NON REG MATERIAL	NON			C HARBOR		STORAGE		0	504	504	0	0	0	800	MAD03932226		
	NON REG MATERIAL	NON			C HARBOR		STORAGE		0	828	828	0	0	0	800	MAD03932227		
	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent				22-Jan-02	0	22,000	22,000	0	0	22,000	801	PAG312141		
	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent				24-Jan-02	0	28,980	28,980	0	0	28,980	802		AUTUMN IND	
6	NON REG TAR	NON	ļ	PTSI	C HARBORS	CH124261	STORAGE	24-Jan-02	0	3,241	0	0	0	0	803	MAD03932225	C. HARBORS	
_	NON DEC MATERIA		(Hydraulic			ļ								_				1
	NON REG MATERIAL	NON	Fluid/Speedy-Dry)		C HARBORS				0	421	00	0	0	0	803	MAD03932225		
	NON REG MATERIAL	NON	(Sodium Bicarb.)	Plant	C HARBORS		STORAGE		0	1,489	0	0	0	0	803	MAD03932225		
1	TOXIC LIQUID PNBC	NON		PNBC	C HARBORS	CH147741	STORAGE	24-Jan-02	0	162	00	0	0	0	803	MAD03932225	C. HARBORS	<u> </u>
اء	144.0000 4.0000		F002, F003, F005,															ı
	WASTE ACE/METH	HAZ	D021, D022		C HARBORS			24-Jan-02	0	938	938	938	0	0	804	MDC0895645		
2	WASTE PTSA/ACE	HAZ	F002, F005, D021	PTSI	C HARBORS	CH131345	INCIN	24-Jan-02	0	765	765	765	0	0	804	MDC0895645	C. HARBORS	
_			D001, F003, F005,					ļ			_			1				I
	WASTE BCF/METH CL	HAZ	D021		C HARBORS			24-Jan-02	0	311	311	311	0	0	804	MDC0895645		
	WASTE TOLUENE	HAZ	F005, D001		C HARBORS			24-Jan-02	0	928	928	928	0	0	805	MDC0895646		<u> </u>
	WASTE FUEL OIL/MCB	HAZ	F002, D001, D021		C HARBORS	CH131275	INCIN	24-Jan-02	0	478	478	478	0	0	805	MDC0895646		·
ا 29	WASTE DEA	HAZ	D001	HEGCL	C HARBORS	CH131343	INCIN	24-Jan-02	0	11,346	11,346	11,346	0	0	805	MDC0895646	C. HARBORS	

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	WASTE	HAZ/	EPA	PROCESS	1		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gals	WT lbs	WT lbs	WT lbs	WT lbs	RECOVERY lbs_	DOC NUM	MFST NUM_	HAULER	CATEGORY
) ,	WASTE ACETONE	1147	F002, F003, F005, D001				IN CIN	24 1 22		0.45	0.45	0.45			005	MDCGGGGGG		
$\overline{}$		HAZ		Plant	C HARBORS	 	INCIN	24-Jan-02	0	845	845	845	0	0	805	MDC0895646		
	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURC	 	INCIN	30-Jan-02	5,800	43,500	43,500	43,500	0	0	806	MI7612338	C. HARBORS	
	WASTE SOLID	HAZ	F002	HEGCL	CALGON	CAN2542R	RECYC	30-Jan-02	0	2,000	2,000	0	0	2,000	807	PAG312142	HAZMAT	
	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5-Feb-02	5,888	49,106	49,106		49,106	0	808	NJA4087201	BUFF FUEL	[
	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR		INCIN	6-Feb-02	6,000	45,000	45,000	45,000	0	0	809	MI7612339	BUFF FUEL	
	WASTE ETHANOL/MET	HAZ	D001, F003	FC102	NORLITE	0209-01	INCIN	15-Feb-02	6,002	45,015	45,015	45,015	0	0	810	NYG3204351		
	WASTE CARBON UNIT	HAZ	F002, F005	Plant	ENVIROTRO		RECYC	27-Feb-02	0	7,140	7,140	0	0	7,140	811	PAG312143		
	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	27-Feb-02	6,000	45,000	45,000	45,000	0	0	812	NYG3204378		
	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	6-Mar-02	5,960	44,700	44,700	44,700	0	0	813	NYG3204387		ļ
	WASTE DEA ANNY	HAZ	D002	Lecture Bottles		00762-304C	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696		
	WASTE DEA ANHY WASTE CHLORINE	HAZ	D001	Lecture Bottles		33762-156C	TREATED	6-Mar-02	0	5	5	0	5	0	814	NYG3318696		
	WASTE CHLORINE WASTE CYANOGEN	HAZ HAZ	D002	Lecture Bottles		00762-068C	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696		
	WASTE CTANOGEN WASTE METH ANHY	HAZ	D001 D001	Lecture Bottles		00762-104C	TREATED		0	5	5 5	0	<u>5</u> 5	0	814	NYG3318696 NYG3318705		ļ
	AMMONIA ANHY	NON	D001	Lecture Bottles Lecture Bottles			TREATED		0	5	0	0	5 5	0	815 816			
	COMPRESSED GAS	NON		Lecture Bottles		00762-013C 00762-SAMP	TREATED	6-Mar-02	0	5 25	0	0	<u> </u>	-	817	NJD054123164	FREEHOLD	
	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	13-Mar-02	6,000	45,000	45,000	45,000	0	1 0	818	NYG3204396		
	WASTE ETTIANOE/WILT	IIAL	D001, F002, F003,	1 0 102	NORLITE	0209-01	INCIN	13-Wat-02	0,000	45,000	45,000	45,000	<u> </u>		010	141 G 3 2 0 4 3 9 0	BUFF FUEL	
			F005, D021,			ľ				Ì		1		1				
2	WASTE ACE/TOLUENE	HAZ	D022,	HEGCL	NORLITE	0049-02	INCIN	15-Mar-02	0	931	931	931	0		819	NYG3318606	UNITED IND	
			D001, F002, F003,															
			F005, D021,															
	WASTE ACE/TOLUENE	HAZ	D022,	HEGCL	NORLITE	0045-02	INCIN	15-Mar-02	0	17,203	17,203	17,203	0	0	819	NYG3318606	UNITED IND	
	WASTE OIL	NON	Maint. Dept.	Plant	NORLITE	SAN215982	LANDFILL	15-Mar-02	0	400	0	0	0	0	820	CTD021816889	UNITED IND	
	NON HAZARDOUS	NON			BRIDGEPORT	0927DN4	STORAGE	15-Mar-02	0	1,526	0	0	0	0	821	CTF0563837		
	NON HAZARDOUS	NON		PTSI	BRIDGEPORT	0928DN4	STORAGE	15-Mar-02	0	7,604	0	0	0	0	821	CTF0563837		
	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01		15-Mar-02	4,321	32,408	32,408	32,408	00	0	822	NYG3204405	BUFF FUEL	
3	SOLID CARBON UNITS	HAZ	F002, F005	Effluent Filters	ENVIROTRO		RECYC	21-Mar-02	00	22,500	22,500	0	0	22,500	823	PAG312144	AUTUMN IND	
			F002, F003, F005,											[
	WASTE HAZ SOLID	HAZ	D021, D022		ENSCO	WMDS1378178		27-Mar-02	0	5,809	5,809	5,809	00	0	824	AR1294906	FREEHOLD	
- 4	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	WMDS1393020	INCIN	27-Mar-02	0	2,665	2,665	2,665	0	0	824	AR1294906	FREEHOLD	
4	MACTE DUC	1147	D004 D000 D000	DUOL				07.14		404	404	404	•		004	A D400 4000	55554015	
	WASTE BUCL WASTE CAUSTIC	HAZ HAZ	D001, D002, D003		ENSCO	WMDS1393021		27-Mar-02	0	121	121	121	0	0	824		FREEHOLD	
-	NON HAZ WOOD	NON	D002		ENSCO	WMDS1393023		27-Mar-02	0	4,983	4,983	4,983 270	0	0	824 825		FREEHOLD	
	NON HAZ PHCF	NON			ENSCO	WMDS1378180		27-Mar-02	0	270	0		0 0	0	825		FREEHOLD	
	NON HAZ CLEAN UP	NON		FC102	ENSCO	WMDS1378189		27-Mar-02	0	7,983 373	0	7,983 373	0	0	825		FREEHOLD FREEHOLD	
	NON HAZ NBI	NON		PTSI	ENSCO ENSCO	WMDS1393015 WMDS1393036		27-Mar-02 27-Mar-02	0	118	0	118	0	0	826		FREEHOLD	
	WASTE TOL/METH	HAZ	D001, F005, F003			OW11243	WWT	4-Apr-02	5,855	48,831	48,831	110	48,831	0		NJA4087203		
	WASTE TOL/METH	HAZ	D001, F005, F003			OW11243 OW11243	WWT	4-Apr-02 4-Apr-02	5,740	47,872	47,872	 	47,872	- 0		NJA4087202		
	NON HAZ PETROLEUM	NON	2001,1000,1000		SAFETY KL		INCIN	4-Apr-02 4-Apr-02	24	170	0	170	0	0	829	NYD981556441		
-	WASTE CARBON UNIT	HAZ	F002, F005		ENVIROTROL		RECYC	8-Apr-02	0	11,080	11,080	2,770	0	8,310	830		AUTUMN IND	
	WASTE TOL/METH	HAZ	D001, F005, F003		EI DUPONT		WWT	8-Apr-02	6,000	50,040	50,040	, <i>' , '</i>	50,040	0,010	831		BUFF FUEL	
		NON	1			ST007102	INCIN	10-Apr-02	0,000	18,146	0	18,146	0	0	832	CTD021816889		
		NON	†			ST007102	INCIN	10-Apr-02	0	18,125	0	18,125	0	0	832	CTD021816889		
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOUR		INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833		BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005		EI DUPONT		WWT	11-Apr-02	4,860	40,532	40,532		40,532	0	834	NJA4087206		<u></u>
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOUR		INCIN	12-Apr-02	5,508	41,310	41,310	41,310	<u> </u>	0	835	 	BUFF FUEL	
		11/1/2	12301, 1300, 1303	10102	EW KESOURY	J5 120 I	INCIN	12-Apr-02	5,506	41,310	41,310	1 41,310		<u> </u>	000	1W10000432	DUFF FUEL	

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP VOL	DISP WT	HAZ WT	INCINERATION WT	WW WT	RECYCLE	MFST DOC	STATE MFST NUM	HAULER	TONS PER CATEGORY
(7			D001, F002,F003,	WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs_	NUM	NUM	<u> </u>	
,	WASTE ACE/TOLUENE	HAZ	F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836	NYG3318129	UNITED IND	
-	W/ (OTE / (OE/ TOLOLINE	11/1/2	D001, F002,F003,	7 0 102	HOREITE	01004002	II TOIL	12 / (р) 02		0.0	0,0	1 0,0				1	OTHITED IND	
9	WASTE ACE/TOLUENE	HAZ	F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836	NYG3318129	UNITED IND	
	NON HAZ AVANEL	NON		Avanel	NORLITE	ST00712	INCIN	12-Apr-02	0	14,535	0	14,535	0	0	837	CTD021816889	UNITED IND	
	NON HAZ AVANEL	NON		Avanel	NORLITE	ST007202	INCIN	12-Apr-02	0	13,504	0	13,504	0	0	837	CTD021816889		
	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	16-Apr-02	5,824	48,572	48,572		48,572	0	838	NJA4087205	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOUR	J51201	INCIN	18-Арг-02	6,000	45,000	45,000	45,000	0	0	839	MI8666491	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOUR	J51201	INCIN	19-Apr-02	5,900	44,250	44,250	44,250	00	0	840	MI8666490	BUFF FUEL	
	WASTE TOL/METH	HAZ	F003, F005, D001	FC102		OW11243	WWT	23-Apr-02	5,485	45,745	45,745		45,745	0	841		BUFF FUEL	
	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOUR		INCIN	24-Apr-02	5,900	44,250	44,250	44,250	0	0	842	MI8666489	BUFF FUEL	
	WASTE TOL/METH	HAZ	F003, F005, D001	FC102		OW11243	WWT	25-Apr-02	5,485	45,745	45,745		45,745	0	843	NJA4087179		
	WASTE DMF	HAZ	D001	ACL	NORLITE	SAN216123	INCIN	26-Apr-02	2,944	22,080	22,080	22,080	0	0	844	NYG3317778		
	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOUR	·	INCIN	30-Apr-02	6,000	45,000	45,000	45,000	0	0	845	MI8666488	BUFF FUEL	<u> </u>
	WASTE CARRON INIT	HAZ	F003, F005, D001	FC102	EQ RESOUR		INCIN	2-May-02	6,000	45,000	45,000	45,000	0	0 9,255	846 847	MI8666487 PAG312146	BUFF FUEL AUTUMN IND	<u></u>
	WASTE TOUMETH	HAZ HAZ	F002, F005	Plant Effluent FC102	ENVIROTRO		RECYC INCIN	3-May-02 3-May-02	6,000	12,340 45,000	12,340 42,600	3,085 42,600	<u> </u>	9,255	848	MI8666486	BUFF FUEL	
	WASTE TOL/METH WASTE TOL/METH	HAZ	F003, F005, D001	FC102 FC102	EQ RESOUR		INCIN	8-May-02	6,000	45,000	42,600	42,600	0	0	849	MI8666485	BUFF FUEL	
	WASTE TOLIMETE	ПАД	F003, F003, D001	FC102	EQ RESOUR	J51201	INCIN	0-iviay-02	0,000	43,000	42,000	42,000			049	10110000403	BUFF FUEL	
18	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	10-May-02	0	7,492	7,492	7,492	0	l o 1	850	AR1294865	HAZMAT	
	WASTE POH	HAZ	D021, D022	PNBC	ENSCO	1393067	INCIN	10-May-02	0	4,476	4,476	4,476	0	0	850	AR1294865	HAZMAT	
	WASTE AMIDE CLOR	HAZ	D003	ACL	ENSCO	1393044	INCIN	10-May-02	0	1,469	1,469	1,469	0	0	850	AR1294865	HAZMAT	
	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	10-May-02	0	400	400	400	0	0	850	AR1294865	HAZMAT	
	WASTE NON NBI	NON	2000,1000	PTSI	ENSCO	1393036	INCIN	10-May-02	0	953	953	953	0	0	851	ARD069748192		
· —	WASTE NON PHCF	NON		PHCF	ENSCO	1378189	INCIN	10-May-02	0	5,884	5,884	5,884	0	0	851	ARD069748192		
14	WASTE PTSI RESIDUE	NON		PTSI	ENSCO	225079	INCIN	10-May-02	0	7,763	7,763	7,763	0	0	851	ARD069748192	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR	J51201	INCIN	10-May-02	2,950	22,125	22,125	22,125	0	0	852	MI7513967	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR	J51201	INCIN	13-May-02	6,000	45,000	45,000	45,000	0	0	853	MI7513999	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR	J51201	INCIN	17-May-02	6,000	45,000	45,000	45,000	0	0	854	<u> </u>	BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR		INCIN	29-May-02	6,000	45,000	45,000	45,000	0	0	855		BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR		INCIN	3-Jun-02	6,000	45,000	45,000	45,000	0	0	856		BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	5-Jun-02	5,300	39,750	39,750	39,750	0	0	857	NJA4087204	BUFF FUEL	
			D001, F002, F003,															
	MACTE ACETOLLIENE	1107	F005, D021,	UEOOL	NODUTE.	0.7004500	INICINI	C 1 00	0	4 224	4 224	1 224	0	,	050	NIVO22174E4	LINUTED IND	
3	WASTE ACE/TOLUENE	HAZ	D022, D001, F002, F003,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	1,334	1,334	1,334	0	0	858	NYG3317454	UNITED IND	
			F005, D021,		l													
57	WASTE ACE/TOLUENE	HAZ	D022,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	23,266	23,266	23,266	0	0	858	NYG3317454	UNITED IND	
	WASTE NON REG SOLID	NON	D022,	FC102	BRIDGEPOR		INCIN	6-Jun-02	0	108	108	108	0	0 1	859	CTF0563831		
	WASTE NON REG CARE			Carbaester	BRIDGEPOR	 	INCIN	6-Jun-02	0	6,125	6,125	6,125	0	0	859		UNITED IND	
	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR		INCIN	7-Jun-02	5,820	43,650	43,650	43,650	0	0			BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOUR		INCIN	12-Jun-02	5,820	43,650	43,650	43,650	0	0			BUFF FUEL	
	SOLID CARBON UNITS	HAZ	F002, F005		ENVIROTROI		RECYC	14-Jun-02	0	12,220	12,220	Ô	0	12,220			AUTUMN IND	
	WASTE ETHANOL/MET	HAZ	D001	FC102		0209-01	INCIN	20-Jun-02	6,300	47,250	47,250	47,250	0	0		NYG3204342		
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102		OW11243		21-Jun-02	3,944	32,893	32,893		32,893	0		NJA4087181		
	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	21-Jun-02	0	25,730	25,730	25,730	0	0	865	NYG3319065	BUFF FUEL	
			F002, F003, F005,															
	WASTE SOLID	HAZ	D021, D022			WMDS137817		21-Jun-02	0	5,524	5,524	5,524	0	0			HAZMAT	
	WASTE ETHYLAMINE	HAZ	D001, D002			WMDS139253		21-Jun-02	0	736	736	736	0	0			HAZMAT	
	WASTE TOL/ACI	HAZ	D001, D003, F005	ACL		WMDS139255		21-Jun-02	0	2,040	2,040	2,040	0	0			HAZMAT	
8	WASTE SODIUM HYD	HAZ	D002	Plant Effluent	ENSCO	WMDS139304	INCIN	21-Jun-02	0	3,022	3,022	3,022	0	0	866	AR1294758	HAZMAT	

i	WASTE	HAZ/	EPA	PROCESS	<u> </u>	1	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE	<u> </u>	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
	1			WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		1
	WASTE POH	HAZ	D001	PNBC	ENSCO	WMDS139306	INCIN	21-Jun-02	0	1,904	1,904	1,904	0	0	867	AR1294759	HAZMAT	
	WASTE ACI	HAZ	D003	ACL	ENSCO	WMDS139304	INCIN	21-Jun-02	0	342	342	342	0	0	867	AR1294759	HAZMAT	
10	WASTE NON REG PTSI	NON		PTSI	ENSCO	WMDS225079	INCIN	21-Jun-02	0	5,584	5,584	5,584	0	0	868	ARD069748192	HAZMAT	
8	WASTE NON REG PHCF	NON		PHCF	ENSCO	WMDS137818	INCIN	21-Jun-02	0	3,526	3,526	3,526	0	0	868	ARD069748192	HAZMAT	
	WASTE PETROLEUM NAP	NON		Parts Cleaner	SAFETY KL	NY10827JF	TREATED	25-Jun-02	26	208	0	0			869	SCR000075150	SAFETY KLN	
	SOLID CARBON UNITS	HAZ	F002, F005		ENVIROTRO	L	RECYC	1-Jul-02	0	10,426	10,426	0	0	10,426	870	PAG312148	AUTUMN IND)
	WASTE XYLENE/MET	HAZ	D001	345 TMBCL	EQ RESOURCE	J51201	INCIN	2-Jul-02	5,516	41,370	39,164	39,164	0	0	871	MI8124482	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F005, F003	HEGCL	NORLITE	0148-02	INCIN	10-Jul-02	5,625	39,938	39,938	39,938	0	0	872	NYG1944504	BUFF FUEL	
ı			F002, F003, F005,															
27	WASTE LIQUID SLUDGE	HAZ	D021	Plant Effluent	ENSCO	WMDS1398655	INCIN	18-Jul-02	0	18,742	18,742	18,742	0	0	873	AR1294741	HAZMAT	
			F002, F003, F005,											1 1				
	WASTE SOLID CARBON	HAZ	D021, D022		ENSCO	WMDS1378178	INCIN	18-Jul-02	0	14,885	14,885	14,885	0	0	873	AR1294741	HAZMAT	
	NON HAZ PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079		18-Jul-02	00	3,598	3,598	3,598	0	0	874	ARD069748192	HAZMAT	
	WASTE HAZ TOL/DEA	HAZ	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	19-Jul-02	4,686	33,271	33,271	33,271	0	0	875	MI8666676	BUFF FUEL	
	WASTE CARBON UNIT	HAZ	F002	HEGCL	CALGON	CAN2542R	RECYC	22-Jul-02	0	4,000	4,000	0	0	4,000	876	PAG312150	HAZMAT	
	WASTE TOL/DEA	HAZ	D001, D002, F005		EQ RESOURCE	G47002	INCIN	23-Jul-02	5,600	39,760	39,760	39,760	0	0	877		BUFF FUEL	
1	WASTE TOL/DEA	HAZ	D001, D002, F006	HEGCL	EQ RESOURCE	G47003	INCIN	26-Jul-02	4,769	33,860	33,860	33,860	00	0	878	MI8666682	BUFF FUEL	
			D001, F002, F003,															1
_	l		F005, D021,															
2	WASTE ACE/TOLUENE	HAZ	D022,	HEGCL	NORLITE	ST-0045-02	INCIN	2-Aug-02	0	893	893	893	00	0	879	NYG3545505	UNITED IND	
			D001, F002, F003,															
			F005, D021,											1				
	WASTE ACE/TOLUENE	HAZ	D022,			ST-0045-02	INCIN	2-Aug-02	0	36,128	36,128	36,128	0	0	879	NYG3545505		
	WASTE TOL/DEA	HAZ	D001, D002, F005	HEGCL	EQ RESOURCE		INCIN	2-Aug-02	5,900	42,480	42,480	42,480	0	0	880		BUFF FUEL	<u> </u>
	SOLID CARBON UNITS	HAZ	F002, F005		ENVIROTRO		RECYC	6-Aug-02	0	6,858	6,858	0	0	6,858	881	PAG312149)
	WASTE COENT CARROL	HAZ	D001, F003, F005	FC102	EQ RESOURCE	L	INCIN	15-Aug-02	5,920	42,032	42,032	42,032	0	0	882		BUFF FUEL	
	WASTE SPENT CARBON	HAZ	F002, F005		ENVIROTROI		RECYC	19-Aug-02	0	3,000	3,000	0	0	3,000	883		AUTUMN IND	
	WASTE SPENT CARBOI	HAZ HAZ	F002, F005 F002	 	ENVIROTROI		RECYC	19-Aug-02	0	2,875	2,875	0	0	2,875	883		AUTUMN IND	<u> </u>
	WASTE SPENT CARBOI WASTE TOL/METH	HAZ				2542R	RECYC	26-Aug-02	0	12,000	12,000 34,080	0	0 34,080	12,000	884	NYG1251576		
	WASTE TOL/METH	HAZ	D001, F003, F005		<u> </u>	OW11243		26-Aug-02 27-Aug-02	4,800 F 139	34,080		20 490	0	0	885 886	NJA4087196		
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE			27-Aug-02 29-Aug-02	5,138 5,644	36,480	36,480 42,072	36,480	0	0	887		BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005 D001, F003, F005		EQ RESOURCE			30-Aug-02	5,644	42,072 38,936	38,936	42,072 38,936	0	0	888		BUFF FUEL BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE EQ RESOURCE									0				
	IVASTE TOLINETH	ПАС	F002, F003, F005,	FC 102	EQ RESOURCE	J51201	INCIN	5-Sep-02	5,604	39,788	39,788	39,788	0	0	889	MI7513987	BUFF FUEL	
25	WASTE SOLID	HAZ	D021, D022	l.	TNOCO		INCIN	9-Sep-02	0	8,194	8,194	8,194	0	0	890	AR1294647	BUFF FUEL	
	WASTE GOLID WASTE POH	HAZ	D021, D022			WMDS1378178	INCIN	9-Sep-02	0	3,119	3,119	3,119	0	0	890		BUFF FUEL	
	1447 (OTE 1 OTT	11/1/4	F002, F003, F005,	LIADO	LINGOO	WMDS1393067	INOIN	9-06h-02		3,118	٥,١١٥	5,113		 	080	/ 11 1 1 2 3 4 0 4 1	DOLL LOEF	
1	WASTE LIQUID	HAZ	D021		ENSCO	WMDS1408337	INCIN	9-Sep-02	0	457	457	457	0	l 0	890	AR1294647	BUFF FUEL	
	WASTE LIQUID	HAZ	D003, D021			WMDS1408337	INCIN	9-Sep-02	0	2,800	2,800	2,800	0	0	890		BUFF FUEL	
	WASTE LIQUID	HAZ	D003, D021			WMDS1408339	INCIN	9-Sep-02	0	538	538	538	0	0	891		BUFF FUEL	
	NON REG PTSI RESID	NON	2000, 2021			WMDS225079	INCIN	9-Sep-02	0	5,245	5,245	5,245	0	0	892	ARD069748192		
	NON REG WASH WTR	NON		Plant Cleaning		WMDS1408336	INCIN	9-Sep-02	0	800	800	800	0	0	892	ARD069748192 ARD069748192		
	NON REG WASH WTR	NON	 	Plant Cleaning		WMDS1408336	INCIN	9-Sep-02	0	1,163	1,163	1,163	0	0	892	ARD069748192		
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE			11-Sep-02	5,600	39,760	39,760	39,760	0	0	893		BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, F003, F005				TREATED		4,400	31,240	31,240	55,155	31,240	0		NJA4087185		
	WASTE PETROLEUM NAP	NON			SAFETY KL		TREATED		24	01,210	0	0	J 1,2 10			NYD981556541		
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE			19-Sep-02	6,228	44,219	44,219	44,219	0	0	896		BUFF FUEL	
	NON HAZ REF BRINE	NON					TREATED		3,750	31,275	,=	,	<u>`</u>		897		BUFF FUEL	
1		11011																

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gals	WT lbs	WT lbs	WT ibs	WT lbs	RECOVERY	DOC	MFST NUM	HAULER	CATEGORY
	WASTE ACE/4METHCF	HAZ	D001, D002, D003, F003	MSECF	TNCCO	1419625	INCIN	7-Oct-02	0	385	385	385	0	0	899	AR1294807	HAZMAT	
-	VVASTE ACE/4IVIET FICE		F002, F003, F005,	IVIOECE	ENSCO	1419023	INCIN	7-001-02		300	365	365	U	 		AR 1294607	MAZIVIA I	
1	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	7-Oct-02	0	100	100	100	0	0	899	AR1294807	HAZMAT	
	NON REG TRICL/HEP	NON	,		ENSCO	1419624	INCIN	7-Oct-02	0	214	214	214	0	0	900	ARD069748192		
1	WASTE TOL/METH	HAZ	F005, F003		EI DUPONT	OW11243	INCIN	7-Oct-02	2,400	17,414	17,414	17,414	0	0	901	NJA4087184	BUFF FUEL	
1	WASTE DEA/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST023302	INCIN	8-Oct-02	2,054	16,540	16,540	16,540	0	0	902	NYG3544641	BUFF FUEL	
	WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent				11-Oct-02	0	12,000	12,000	0	0	12,000	903		AUTUMN IND)
67	WASTE SLUDGE	HAZ	F002, F003, F005	Plant Effluent	ENSCO	1398655	INCIN	18-Oct-02	0	40,625	40,625	40,625	0	0	904	AR1294598	HAZMAT	
			F003, F003, F005,						_					_				1
	WASTE SOLID	HAZ	D021, D022	TN 170	ENSCO	1378178		25-Oct-02	0	5,392	5,392	5,392	0	0	905	AR1294589	HAZMAT	
	WASTE TMTC WASTE ACL	HAZ	D003, F005	TMTC	ENSCO	1393020		25-Oct-02	0	2,849	2,849	2,849	0	0	905	AR1294589	HAZMAT	
-	WASTEACL	HAZ	D003 F002, F003, F005,	ACL	ENSCO	1393044	INCIN	25-Oct-02	0	77	77	77	0	0	905	AR1294589	HAZMAT	
12	WASTE LIQUID	HAZ	D021		ENSCO	1398655	INCIN	25-Oct-02	0	5,811	5,811	5,811	0	0	905	AR1294589	HAZMAT	
12	VASTE EIQUID	TIAL	F002, F003, F005,		ENSCO	1390033	INCIN	23-001-02		3,011	3,011	3,011	<u> </u>		900	AN 1294309	HAZIVIAT	
1 1	WASTE LIQUID	HAZ	D02, 1 003, 1 003,		ENSCO	1408337	INCIN	25-Oct-02	0	386	386	386	0	0	905	AR1294589	HAZMAT	
	WASTE HCL	HAZ	D002		ENSCO	1328156		25-Oct-02	0	408	408	408	0	0	905	AR1294589	HAZMAT	
	WASTE XY 345TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663		25-Oct-02	0	1,030	1,030	1,030	0	0	905	AR1294589	HAZMAT	
	WASTE POH	HAZ	D001	PNBC	ENSCO	1393007		25-Oct-02	0	120	120	120	0	0	905	AR1294589	HAZMAT	
2	NON REG PTSI RESID	NON		PTSI	ENSCO	225079		25-Oct-02	0	1,176	0	1,176	0	0	906	ARD069748192	HAZMAT	
1	NON REG FC102	NON		FC102	ENSCO	1393015	INCIN	25-Oct-02	0	360	0	360	0	0	906	ARD069748192	HAZMAT	
3	NON REG WASH WTR	NON			ENSCO	1408336	INCIN	25-Oct-02	0	1,289	0	1,289	0	0	906	ARD069748192	HAZMAT	
/ <u>1</u>	WASTE SODIUM HYD	HAZ	D002, D005		CWM CHEM	BY1701	TREATED	25-Oct-02	0	520	520	0			907	NYG3544092	HAZMAT	
	WASTE XYL METH	HAZ	D001		EQ RESOURCE	J51201		1-Nov-02	4211	31,583	31,583	31,583	0	0	908	MI8666866	BUFF FUEL	
1	WASTE SPENT CARBOI	HAZ	F002, F005	Plant Effluent	ENVIROTRO	16160	RECYC	5-Nov-02	00	4,000	4,000	0	0	4000	909	PAG366339	AUTUMN IND	r
_ .			F002, F003, F005,															
	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	15-Nov-02	0	1,803	1,803	1,803	0	0		AR1294590	HAZMAT	
10	WASTE TOL/ACI	HAZ	D001, D003, F005	ACL	ENSCO	1392551	INCIN	15-Nov-02	0	3,770	3,770	3,770	0	0	910	AR1294590	HAZMAT	
			D001, F002, F003,								İ]				
1 1/1	WASTE ACE/TOLUENE	HAZ	F005, D021,		ENDOO	4.440077	INICINI	45 Nov. 00	0	E 457	E 457	F 157	0		010	AD1204500	11070407	
14	WASTE ACE/TOLUENE	ПАД	D022, D001, F002, F003,	***************************************	ENSCO	1419677	INCIN	15-Nov-02	0	5,157	5,157	5,157	<u> </u>		910	AR1294590	HAZMAT	
			F005, D021,								1							
1 1	WASTE ACE/TOLUENE	HAZ	D022,		ENSCO	1419677	INCIN	15-Nov-02	0	464	464	464	0		910	AR1294590	HAZMAT	
	WASTE DEA	HAZ	D001	Lecture Bottles		ERG118	INCIN	15-Nov-02	0	5	5	5	0	0			HAZMAT	
	WASTE ETHYLENE	HAZ	D001	Lecture Bottles		ERG119	INCIN	15-Nov-02	0	10	10	10	0	0			HAZMAT	
	WASTE VINYL CL	HAZ	D001	Lecture Bottles		ERG116		15-Nov-02	0	5	5	5	0	0			HAZMAT	
1 \	WASTE ETHYLAMINE	HAZ	D001	Lecture Bottles		ERG118		15-Nov-02	0	5	5	5	0	0			HAZMAT	
2 (CHLORINE	HAZ	D002	Lecture Bottles	SET ENVIR	ERG124	TREATED	15-Nov-02	0	10	10	0	0	10	912	02623145	HAZMAT	
1 \	WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	1300	9,386	9,386	9,386	0	0	913	MI7612354	BUFF FUEL	
	WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	5700	41,154	41,154	41,154	0	0	914	MI7612355	BUFF FUEL	
	WASTE SPENT CARBO	HAZ	F002, F005		ENVIROTROI	ERG 171	RECYC	26-Nov-02	0	8,200	8,200	0	0	8200			AUTUMN IND	
1 \	WASTE METHANOL	HAZ	D001, F003		EQ RESOURCE	L41702		6-Dec-02	5462	36,898	36,898	36,898			916	MI8666171	BUFF FUEL	
			F002, F003, F005,						_				_					
	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178		6-Dec-02	0	5,996	5,996	5,996	0	0			HAZMAT	
	WASTE TMTC	HAZ	D003, F005		ENSCO	1393020		6-Dec-02	0	1,100	1,100	1,100	0	0			HAZMAT	
/ <u> </u>	WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	6-Dec-02	0	2,871	2,871	2,871	0	0	917	AR1294591	HAZMAT	
1 1	MARTE LIQUID	LIA 7	F002, F003, F005,		FNOOC	40000	INIOINI	0.00-00	_	E0.4	E04	F04	0		017	AB1204504	1107000	
	WASTE LIQUID	HAZ	D021		ENSCO	1398655	INCIN	6-Dec-02	0	524	524	524	0	0	917	AR1294591	HAZMAT	

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP VOL	DISP	HAZ WT	INCINERATION WT	WW WT	RECYCLE RECOVERY	MFST	STATE MFST	HAULER	TONS PER
				WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
			D001, D002,															
			F002, F003, F005,															
	WASTE ACE/HCL	HAZ	D021, D022		ENSCO	1419718		6-Dec-02	0	400	400	400	0	0	917	AR1294591	HAZMAT	
	WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	6-Dec-02	0	2,130	2,130	2,130	0	0	917	AR1294591	HAZMAT	
6	WASTE NAOH	HAZ	D002		ENSCO	1393023	INCIN	6-Dec-02	0	2,682	2,682	2,682	0	0	917	AR1294591	HAZMAT	
			D001, F002, F003,					1										
			F005, D021,															
4	WASTE ACE/TOLUENE	HAZ	D022,		ENSCO	1419677	INCIN	6-Dec-02	0	1,597	1,597	1,597	0	0	917	AR1294591	HAZMAT	
			D001, F002, F003,]				
	LUAGE AGE TO LIEVE		F005, D021,				INIOINI	0.00	•	40.440	40.440	10.440	•		047	AD4004504		
	WASTE ACE/TOLUENE	HAZ	D022,	TMDOL	ENSCO	1419677	INCIN	6-Dec-02	0	12,416	12,416	12,416	0	0	917	AR1294591	HAZMAT	
	WASTE XYL/TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	6-Dec-02	0	3,970	3,970	3,970	0	0	917	AR1294591	HAZMAT	
	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN RECYCL	12-Dec-02 12-Dec-02	6300 24	47,250	40,965 0	40,965 0	0	0	918 919		BUFF FUEL	
	NON HAZ PETROLEUM WASTE TOL/METH	NON HAZ	D001, D002, F003		SAFETY KLN	10827 J51201	INCIN	12-Dec-02	6000	45,000	45,000	45,000	0	 0 	920		SAFETY KLN BUFF FUEL	
	WASTE TOL/METH	HAZ	D001, D002, F003		EQ RESOURCE	OW11243	INCIN	13-Dec-02	5570	40,415	40,415	40,415	0	0	920	NJA4087186		
	WASTE TOL/METH	HAZ	D001, D002, F003		EI DUPONT	OW11243 OW11243	INCIN	16-Dec-02	3250	23,581	23,581	23,581	0	0	921	NJA4087187		
<u>_</u>	INVOIL TOPINETU	ITAL.	F002, F003, F005,		CIDUPONI	UVV11243	INCIN	10-060-02	3230	20,001	ا 20,00	23,301	<u> </u>	+	322	110074007107	DOLF FUEL	
16	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	27-Dec-02	0	6004	6004	6004	0		923	AR1363933	HAZMAT	
- 10	TVIAGIE GOEID	11/1/2_	D001, F002, F003,		LNGCO	1370170	HOH	21-000-02		1 0004	0004	1 0004		1	020	7411000000	11/12/01/11	
			F005, D021,															
9	WASTE ACE/TOLUENE	HAZ	D022,		ENSCO	1419677	INCIN	27-Dec-02	0	2942	2942	2942	0	1 0	923	AR1363933	HAZMAT	
	TWO TE / TOE / TOE OE ITE	117 12	D001, F002, F003,		12.11000	1110077		2. 200 02		2012	20 12	1 20.2				7		
			F005, D021,															
13	WASTE ACE/TOLUENE	HAZ	D022,		ENSCO	1419677	INCIN	27-Dec-02	0	5080	5080	5080	0	0	923	AR1363933	HAZMAT	
			D001, D002,															
4	WASTE ACE/PHCF	HAZ	D003, F003		ENSCO	155776	INCIN	27-Dec-02	0	1324	1324	1324	0	0	923	AR1363933	HAZMAT	
3	WASTE MET/SOD HYD	HAZ	D001, D002, F003		ENSCO	1434042	INCIN	27-Dec-02	0	1244	1244	1244	0	0	924	AR1363934	HAZMAT	
1	WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	27-Dec-02	0	543	543	543	0	0	924	AR1363934	HAZMAT	
	WASTE SOLID SOD HY[NON			ENSCO	1434045		27-Dec-02	0	413	0	413	0	0	925		HAZMAT	
	WASTE 345TMBCL/HEP	NON			ENSCO	1434027		27-Dec-02	0	290	0	290	0	0	925	ARD069748192		
	WASTE IMIDAZOLE	NON			ENSCO	1434028		27-Dec-02	0	1840	0	1,840	0	0	925	ARD069748192		
	WASTE N METH NN DIQ				ENSCO	1419624		27-Dec-02	0	1154	0	1,154	0	0	925	ARD069748192		
	WASTE PTSI RESIDUE	NON			ENSCO	225079		27-Dec-02	0	3,492	0	3,492	0	0		ARD069748192		
	WASTE FC102 CLN UP	NON			ENSCO	1393015		27-Dec-02	0	159	0	159	0	0		ARD069748192		
	WASTE SANDBLAST	NON			ENSCO	1434043		27-Dec-02	0	720	0	720	0	0		ARD069748192		
	WASTE NEODOL	NON			ENSCO	1434031		27-Dec-02	0	266	0	266	0	0	926	ARD069748192		
	WASTE ODI	NON	-		ENSCO	1434029		27-Dec-02	0	2,400	0	2,400	0	0	927	ARD069748192		
	WASTE ODI	NON			ENSCO	1434029		27-Dec-02	0	300	0	300	00	0	927	ARD069748192		
	WASTE BLOE	NON			ENSCO	1309281		27-Dec-02	0	3,651	0	3,651	0	0	927	ARD069748192		
6	WASTE PHCF	NON			ENSCO	155776	INCIN	27-Dec-02	0	3,240	0	3,240	0	<u>'</u>	927	ARD069748192	I HAZIVIA I	
		 								-		 		 	-			
										3,519,485				 		 		
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2002 HA	ZARDOUS WASTE RE	PORT WORK	SHEET		 											·		
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT lbs	INCINERATION WT	WW WT Ibs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
			***************************************			<u> </u>												
																		
										1,738,781	605.64	363.46	213.71	62.97				
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2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev :	April	18th	20 02
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Rev :	April 18th 2002																	
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVA CODE	1	SHIP DATE	DISP VOL	DISP	HAZ WT	INCINERATION WT	WW WT	RECYCLE RECOVERY	MFST DOC	STATE MFST	HAULER	TONS PER CATEGORY
	0144.075.4400		-		 		1110111	10.	gals	lbs	lbs	lbs	ibs	lbs	NUM	NUM		
	3 WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH154636		18-Jan-02	0	1,500	1,500	1,500	0	0	794	MDC0895592	C. HARBORS	
	2 WASTE BUT/ POH	HAZ	D001, D002	BUCL	C HARBOR	CH156189		18-Jan-02	0	835	835	835	0	0	794			
	9 WASTE POH	HAZ	D001	PNBC	C HARBOR	CH183013	INCIN	18-Jan-02	0	3,634	3,634	3,634	0	0	794	MDC0895592	C. HARBORS	
,	1 WASTE BCF METH	HAZ	F002, F003, F005, D001, D021, D022	BCF	C HARBOR	CH124265	INCIN	18-Jan-02		399	399	399	0	0	795	MDC0895593	C HVDBODS	
	3 WASTE MCB	HAZ	D021, D022	PTSI	C HARBOR	CH124203		18-Jan-02	 0	1,334	1,334	1,334	0	0 0	795	MDC0895593		
	I WASTE WEB	I IAZ	F002, D001,	FISI	CHARBOR	CH 1244 12	INCIN	10-3411-02		1,334	1,334	1,334	U U	 	/95	INDCOGGGGGGG	C. HARBORS	~
•	2 WASTE MCB / FUEL OIL	HAZ	D021	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	٥	1,100	1,100	1,100	l 0	0	795	MDC0895593	C HVBBOBS	
	4 WASTE N NDIMETHYL	HAZ	D001	ACL		CH131343		18-Jan-02	0	10,161	10,161	10,161	0	1 0	795	MDC0895593		
	2 WASTE NITRILES	HAZ		7.02		CH156112		18-Jan-02	0	121	121	121	0	0	796	MDC0895594		
	2 WASTE PNBC	HAZ		PNBC		CH183168		18-Jan-02	0	900	900	900	0	0	796	MDC0895594		
	1 WASTE MCB DEA	HAZ	D001, D021	PNBC		CH147725		18-Jan-02	0	199	199	199	0	0	796	MDC0895594		
	1 WASTE CAUSTIC	HAZ	D002, D003	Plant		CH183158		18-Jan-02	0	500	500	500	0	0	797	MDC0895591		
	1		F005, D002,	1 10.11	011/11/2011	011100100		10 0411 02		1 000	""	1 333	<u> </u>	 	101	I I I I I I I I I I I I I I I I I I I	0.11/11/20110	
2	WASTE TMTC/TOL	HAZ	D003 F005, D002,	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	MDC0895591	C. HARBORS	
Ę	WASTE TMTC/TOL	HAZ	D003	ТМТС	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	o	797	MDC0895591	C. HARBORS	
			F005, D002,									·						
10	WASTE TMTC/TOL	HAZ	D003	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	MDC0895591	C. HARBORS	
			F002, F003,															
	WASTE ACETONE	HAZ	F005, D001	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	MDC0895590	C. HARBORS	
			F002, F003,															
			F005, D021,															
	WASTE ACE/METH	HAZ	D022	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	MDC0895590	C. HARBORS	
		l	F002, F003,				l			ł		1		1				
5	WASTE PTSI	HAZ	F005, D021	PTSI	C HARBOR	CH183171	INCIN	18-Jan-02	0	2,807	2,807	2,807	00	0	799	MDC0895589	C. HARBORS	
		İ		Plant													ľ	
	WASTE CARBON UNIT	HAZ	F002, F005	Effluent	ENVIROTROL		RECYC	22-Jan-02	00	22,000	22,000	0	0	22000	801	PAG312141	AUTUMN IND	
				Plant														
4	WASTE CARBON UNIT	HAZ	F002, F005	Effluent	ENVIROTROL		RECYC	24-Jan-02	0	28,980	28,980	0	0	28980	802	PAG312151	AUTUMN IND	
			F002, F003,					İ]						
		1	F005, D021,															
3	WASTE ACE/METH	HAZ	D022	FC102	C HARBORS	CH124262	INCIN	24-Jan-02	0	938	938	938	0	0	804	MDC0895645	C. HARBORS	
			F002, F005,															
2	WASTE PTSA/ACE	HAZ	D021	PTSI	C HARBORS	CH131345	INCIN	24-Jan-02	0	765	765	765	0	0	804	MDC0895645	C. HARBORS	
			D001, F003,										.11					
	WASTE BCF/METH CL	HAZ	F005, D021	BCF		CH183171		24-Jan-02	0	311	311	311	0	0	804	MDC0895645		
2	WASTE TOLUENE	HAZ	F005, D001	HEGCL	C HARBORS	CH157112	INCIN	24-Jan-02	0	928	928	928	0	0	805	MDC0895646	C. HARBORS	
		1	F002, D001,						_				_	_				
	WASTE FUEL OIL/MCB	HAZ	D021	PTSI	C HARBORS	CH131275		24-Jan-02	0	478	478	478	0	0	805	MDC0895646		
29	WASTE DEA	HAZ	D001	HEGCL	C HARBORS	CH131343	INCIN	24-Jan-02	0	11,346	11,346	11,346	0	0	805	MDC0895646	C. HARBORS	
_			F002, F003,			1			_									
	WASTE ACETONE	HAZ	F005, D001	Plant		CH183167		24-Jan-02	0	845	845	845	0	0	805	MDC0895646		
	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE			30-Jan-02	5800	41,180	41,180	41,180	0	0	806		C. HARBORS	
1	WASTE SOLID	HAZ	F002	HEGCL	CALGON	CAN2542R	RECYC	30-Jan-02	0	2,000	2,000	0	0	2000	807	PAG312142	HAZMAT	<u>-</u> -
	LAMA OF TOUR TOUR	1	D001, F003,											_		[ĺ	
	WASTE TOL/METH	HAZ	F005	FC102		OW11243	11.5	0.5 : 5.5	5888	41,805	41,805	1	41,805	0	808		BUFF FUEL	
	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE		INCIN	6-Feb-02	6000	42,600	42,600	42,600	0	0	809	MI7612339		
	WASTE ETHANOL/MET	HAZ	D001, F003	FC102		SAN21591		15-Feb-02	6002	42,614	42,614	42,614	0	0		NYG3204351		
	WASTE CARBON UNIT	HAZ	F002, F005	Plant	ENVIROTROL	ļ		27-Feb-02	0	7,140	7,140	0	0	7140	811	PAG312143		· ••
	WASTE ETHANOL/MET	HAZ	D001	FC102		SAN21594		27-Feb-02	6000	42,600	42,600	42,600	0	0		NYG3204378		
	WASTE ETHANOL/MET	HAZ	D001	FC102		SAN21595		6-Mar-02	5960	42,316	42,316	42,316	0	0		NYG3204387		
2	WASTE HYD CL ANHY	HAZ	D002	ecture Bottle	SAFETY KL	J00762-304	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696	FREEHOLD	

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVA CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PE
	* · · ·	_ 	*		* · · · · · · · · · · · · · · · · · · ·		<u> </u>		<u> </u>	L		<u>+</u>		<u> </u>	L	<u> </u>		
			D001, F003,														•	
1	FLAM LIQ TOL/MET	HAZ	F005	FC102	EQ RESOURCE	J51201	INCIN	7-Jan-02	5,960	44,700	44,700	44,700	0	0	785	MI761233	•	
		1	D001, F003,							•								
1	FLAM LIQ TOL/MET	HAZ	F005	FC102	EI DUPONT	OW11243	INCIN	8-Jan-02	4,901	49,014	49,014		49,014	0	787	NJA4087198		
		į	D001, F003,															
1	FLAM LIQ TOL/MET	HAZ	F005	FC102	EQ RESOURCE	J51201	INCIN	9-Jan-02	6,000	45,000	45,000	45,000	0	0	788	MI7612334		
]			D001, F003,															
1	FLAM LIQ TOL/MET	HAZ	F005	FC102	EI DUPONT	OW11243	INCIN	10-Jan-02	6,000	50,040	50,040		50,040	0	789	NJA4087199		
			D001, F003,															
1	FLAM LIQ TOL/MET	HAZ	F005	FC102	EQ RESOURCE	J51201	INCIN	14-Jan-02	5,960	44,700	44,700	44,700	0	0	790	MI7612335		
				Plant														
7	SOLID CARBON UNITS	HAZ	F002, F005	Effluent	ENVIROTROL		RECYC	14-Jan-02	0	35,000	35,000	0	0	35,000	791	PAG312152		
			D001, F003,															
1	FLAM LIQ TOL/MET	HAZ	F005	FC102	EI DUPONT	OW11243	INCIN	15-Jan-02	5,200	_43,368	43,368		43,368	0	792	NJA4087200		
ľ			D001, F003,			1						1		1				
	FLAM LIQ TOL/MET	HAZ	F005	FC102	EQ RESOURCE	J51201		16-Jan-02		45,000	45,000	45,000	0	0	793	MI7612337		
	WASTE DIOXANE	HAZ	U108, D001	Pilot Lab	C HARBOR	CH117739		18-Jan-02		1,097	1,097	1,097	0	0		MDC0895592		
	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH154636	INCIN	18-Jan-02	0	1,500	1,500	1,500	0	0		MDC0895592		
	WASTE BUT/ POH	HAZ	D001, D002	BUCL	C HARBOR	CH156189	INCIN	18-Jan-02	0	835	835	835	0	0		MDC0895592		
9	WASTE POH	HAZ	D001	PNBC	C HARBOR	CH183013	INCIN	18-Jan-02	0	3,634	3,634	3,634	0	00	794	MDC0895592		
			F002, F003,												•			
ı			F005, D001,															
	WASTE BCF METH	HAZ	D021, D022	BCF	C HARBOR	CH124265		18-Jan-02	0	399	399	399	0	0		MDC0895593		
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH124412	INCIN	18-Jan-02	0	1,334	1,334	1,334	00	0	795	MDC0895593		
			F002, D001,									1				}		
	WASTE MCB / FUEL OIL	HAZ	D021	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	0	1,100	1,100	1,100	0	0	795	MDC0895593		
24	WASTE N NDIMETHYL	HAZ	D001	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	MDC0895593		
2	WASTE NITRILES	HAZ			C HARBOR	CH156112	INCIN	18-Jan-02	0	121	121	121	0	0	796	MDC0895594		
2	WASTE PNBC	HAZ		PNBC	C HARBOR	CH183168	INCIN	18-Jan-02	0	900	900	900	0	0	796	MDC0895594		
1	WASTE MCB DEA	HAZ	D001, D021	PNBC	C HARBOR	CH147725	INCIN	18-Jan-02	0	199	199	199	0	0	796	MDC0895594		
1	WASTE CAUSTIC	HAZ	D002, D003	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	MDC0895591		
			F005, D002,															
2	WASTE TMTC/TOL	HAZ	D003	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	MDC0895591		
			F005, D002,															
5	WASTE TMTC/TOL	HAZ	D003	TMTC	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	0	797	MDC0895591		
			F005, D002,															
10	WASTE TMTC/TOL	HAZ	D003	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	MDC0895591		
			F002, F003,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,1000	,,,,,						
4	WASTE ACETONE	HAZ	F005, D001	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	MDC0895590		
		1	F002, F003,	- 10011	011/11/2017	011100101		70 0017 02	-	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,120	1,120						
			F005, D021,															
4	WASTE ACE/METH	HAZ	D022	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	MDC0895590		
	77.0127.027.112111	1	F002, F003,	10102	OTIARBOR	011124202		10 0011 02		- 020	- 020	1 020	<u> </u>			MECOCCOC		
5	WASTE PTSI	HAZ	F005, D021	PTSI	C HARBOR	CH183171	INCIN	18-Jan-02	0	2,807	2,807	2,807	0	0	799	MDC0895589		
- 1	WOLLIO	11712	1 000, D021	Plant	CHARBOR	011103171	IIVOIIV	10-0411-02			2,007	2,007	<u> </u>	 	700	WDC0000000		
,	WASTE CARBON UNIT	HAZ	F002, F005	Effluent	ENVIROTROL		RECYC	22-Jan-02	0	22,000	22,000	0	0	22,000	801	PAG312141		
-	TWO I LOW ONLY	11/7/2	1 002, 1 003	Plant	LIVINOTROL		INLUIU	22-Jan-02			<u>دد,۰۰۰</u>	 		£2,000	301	77.0012141		
الم	WASTE CARBON UNIT	HAZ	F002, F005	Effluent	ENVIROTROL		BECAU	24-Jan-02	n	28,980	28,980	0	0	28,980	802	PAG312151		
-4	AAVO I F OVIDON OIMI	11/1/4		Lilluelit	ENVIRUIRUL	 	NECTO	44-Jaii-UZ	<u> </u>	20,900	20,300	 	U	20,300	00Z	FA0312131		
Ì			F005, F003,					1										
,ار	VALACTE ACEMATTI	1147	F005, D021,	E0400	0.11400000	011404555	INOIN	04 /== 00	_	000	000	020	•	,	004	MDC0905045		
(ا	WASTE ACE/METH	HAZ	D022	FC102	C HARBORS	CH124262	INCIN	24-Jan-02	0	938	938	938	0	0	804	MDC0895645		
		1	F002, F005,	ļ		1				1		1		i l				

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WASTE	HAZ/	EPA	PROC		APPROVA	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE		TONS PE
TY DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGO
					1			ga!s	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
	<u> </u>	D001, F003,														·	
1 WASTE BCF/METH CL	HAZ	F005, D021	BCF	C HARBORS	CH183171	INCIN	24-Jan-02	0	311	311	311	0	0	804	MDC0895645		
2 WASTE TOLUENE	HAZ	F005, D001	HEGCL	C HARBORS	CH157112		24-Jan-02	0	928	928	928	0	0	805	MDC0895646	•	
	1	F002, D001,	1										 			•	
1 WASTE FUEL OIL/MCB	HAZ	D021	PTSI	C HARBORS	CH131275	INCIN	24-Jan-02	0	478	478	478	0	0	805	MDC0895646		
29 WASTE DEA	HAZ	D001	HEGCL	C HARBORS	CH131343		24-Jan-02	0	11,346	11,346	11,346	0	0	805	MDC0895646	•	
		F002, F003,			1				,	,	, ,,,,,,,,				1	•	
3 WASTE ACETONE	HAZ	F005, D001	Plant	C HARBORS	CH183167	INCIN	24-Jan-02	0	845	845	845	0	0	805	MDC0895646		
1 WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE	J51201	INCIN	30-Jan-02	5,800	43,500	43,500	43,500	0	0	806	MI7612338	•	
1 WASTE SOLID	HAZ	F002	HEGCL	CALGON	CAN2542R		30-Jan-02	0	2,000	2,000	0	0	2,000	807	PAG312142	•	
		D001, F003,	1	1-1-1-1-1	1											•	
1 WASTE TOL/METH	HAZ	F005	FC102	EI DUPONT	OW11243			5,888	49,106	49,106	1	49,106	0	808	NJA4087201		
1 WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE		INCIN	6-Feb-02	6,000	45,000	45,000	45,000	0	0	809	MI7612339	•	
1 WASTE ETHANOL/MET	HAZ	D001, F003	FC102	NORLITE	SAN21591	INCIN	15-Feb-02		45,015	45,015	45,015	0	0	810	NYG3204351	•	
1 WASTE CARBON UNIT	HAZ	F002, F005	Plant	ENVIROTROL		RECYC	27-Feb-02	0	7,140	7,140	0	0	7,140	811	PAG312143		
1 WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21594		27-Feb-02	6,000	45,000	45,000	45,000	0	0	812	NYG3204378		
1 WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21595	INCIN	6-Mar-02	5,960	44,700	44,700	44,700	0	0	813	NYG3204387		
2 WASTE HYD CL ANHY	HAZ	D002	ecture Bottle			TREATED		0	10	10	0	10	0	814	NYG3318696		
1 WASTE DEA ANHY	HAZ	D001	ecture Bottle			TREATED		0	5	5	0	5	0	814	NYG3318696		
2 WASTE CHLORINE	HAZ	D002	ecture Bottle			TREATED		0	10	10	0	10	0	814	NYG3318696		
1 WASTE CYANOGEN	HAZ	D001	ecture Bottle			TREATED		0	5	5	0	5	0	814	NYG3318696		
1 WASTE METH ANHY	HAZ	D001	ecture Bottle			TREATED		0	5	5	0	5	0	815	NYG3318705		
1 WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21597	INCIN	13-Mar-02	6,000	45,000	45,000	45,000	0	0	818	NYG3204396		
		D001, F002,							,	•							
		F003, F005,													İ		
2 WASTE ACE/TOLUENE	HAZ	D021, D022,	HEGCL	NORLITE	SAN21598	INCIN	15-Mar-02	0	931	931	931	0	0	819	NYG3318606	'	
		D001, F002,															
		F003, F005,															
43 WASTE ACE/TOLUENE	HAZ	D021, D022,	HEGCL	NORLITE	SAN21598	INCIN	15-Mar-02	0	17,203	17,203	17,203	0	0	819	NYG3318606		
1 WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21590	INCIN	15-Mar-02	4,321	32,408	32,408	32,408	0	0	822	NYG3204405		
			Effluent														
3 SOLID CARBON UNITS	HAZ	F002, F005	Filters	ENVIROTROL		RECYC	21-Mar-02	0	22,500	22,500	0	0	22,500	823	PAG312144	AUTUMN IND	
		F002, F003,								······							
		F005, D021,															
15 WASTE HAZ SOLID	HAZ	D022	1	ENSCO	WMDS13781	INCIN	27-Mar-02	0	5,809	5,809	5,809	0		824	AR1294906	l	
4 WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	WMDS13930		27-Mar-02	0	2,665	2,665	2,665	0	0	824	AR1294906		
		D001, D002,	1				_ : 52	_	,	-1	,						
1 WASTE BUCL	HAZ	D003	BUCL	ENSCO	WMDS13930	INCIN	27-Mar-02	0	121	121	121	0		824	AR1294906		
11 WASTE CAUSTIC	HAZ	D002	 	ENSCO	WMDS13930	INCIN	27-Mar-02	0	4,983	4,983	4,983	0	0		AR1294906		

	WASTE	HAZ/	EPA	PROC	1	APPROVA		SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE	
TY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	VOL gals	WT lbs	WT	WT lbs	WT lbs	RECOVERY	DOC	MFST	HAULER
			D001,					· · · · · · · · · · · · · · · · · · ·							.,		
1	 WASTE TOL/METH	HAZ	F005, F003	FC102	EI DUPONT	OW11243	INCIN	4-Apr-02	5,855	48,831	41,180	41,180	0	0	827	NJA40872	BUFF FUEL
			D001,														
1	WASTE TOL/METH	HAZ	F005, F003	FC102	EI DUPONT	OW11243	INCIN	4-Apr-02	5,740	40,754	40,754	40,754	0	0	828	NJA40872	BUFF FUEL
2	WASTE CARRON UNIT	1107	F002,	Plant		<u> </u>			·					0.040			
	WASTE CARBON UNIT	HAZ	F005 D001,	Effluent	ENVIROTRO	L 	RECYC	8-Apr-02	0	11,080	11,080	2,770	0	8,310	830	PAG31214	AUTUMN IND
	MACTE TOL/METH		F005,	50400				• • • •							201		
-4	WASTE TOL/METH	HAZ	F003	FC102	EI DUPONT	J51201	INCIN	8-Apr-02	6,000	42,600	42,600	42,600	0	0	831	MI8666484	BUFF FUEL
4	MACTE TOLINATTI	1147	F003,	E0400]	nic	40.4.05		40 400	40.400	40.400	-		200	N. HOCOO (5)]
_'	WASTE TOL/METH	HAZ	F005 D001,	FC102	EQ RESOUR	J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833	MI8666493	BUFF FUEL
	MARTE TOLMATTU	1147	F003,	E0400			11.10	44.4.25	4.000	04-0-	04.700	04.500	_		00.4		
	WASTE TOL/METH	HAZ	F005 D001,	FC102	EI DUPONT	OW11243	INCIN	11-Apr-02	4,860	34,506	34,506	34,506	0	0	834	NJA40872	BUFF FUEL
	NAME TO METT	111.7	F003,	E0400			,,,,,,,,,					00.455	_		00-		
	WASTE TOL/METH	HAZ	F005 D001,	FC102	EQ RESOUR	J51201	INCIN	12-Apr-02	5,508	39,106	39,106	39,106	00	0	835	MI8666492	BUFF FUEL
			F002,F00					·								}	
			3, F005, D021,			[
2\	WASTE ACE/TOLUENE	HAZ	D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836	NYG33181	UNITED IND
			D001, F002,F00]	ļ										
			3, F005,				ľ										
9 1	WASTE ACE/TOLUENE	HAZ	D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836	NYG33181	UNITED IND
			F003,			3.001002				0,004	5,001	-,,		 		1	
1 1	NASTE TOL/METH	HAZ	F005, D001	FC102	EI DUPONT	OW11243	INCIN	16-Apr-02	5,824	41,350	41,350	41,350	0	0	838	NJA40872	BUFF FUEL
\top			F003,										- 				
_1 v	WASTE TOL/METH	HAZ	F005, D001	FC102	EQ RESOUR(J51201	INCIN	18-Apr-02	6,000	42,600	42,600	42,600	0	0	839	MI8666491	BUFF FUELI
			F003,									,			= = <u>-</u>		
_1 v	VASTE TOL/METH	HAZ	F005, D001	FC102	EQ RESOUR(J51201	INCIN	19-Apr-02	5,900	41,890	41,890	41,890	0	0	840	MI8666490	BUFF FUEL
			F003,						,								
_1 v	VASTE TOL/METH	HAZ	F005, D001	FC102	EI DUPONT	OW11243	INCIN	23-Apr-02	5,485	38,944	38,944	38,944	0	0	841	NJA40871	BUFF FUEL
			F003,											1	<u> </u>		
1 1	VASTE TOL/METH	HAZ	F005, D001	FC102	EQ RESOUR	J51201	INCIN	24-Apr-02	5,900	41,890	41,890	41,890	0	0	842	MI8666489	BUFF FUEL
			F003, F005,							,							
ŧ																	I

•	3-Jul-02 WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE	
TY	DESCRIPTION	NON	CODES	GEN	TSDF	_ 3	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER
	WARDE DIAG	1	D004	A O !		2112/2/20	INICINI	00 4 - 00	gals	lbs	lbs	Ibs		Ibs	NUM 844	NUM	BUFF FUEL
	WASTE DMF	HAZ	D001 F003,	ACL	NORLITE	SAN216123	INCIN	26-Apr-02	2,944	22,098	22,098	22,098		0	044	N1G3317	BUFF FUEL
			F005,]]		J			ļ]]]			
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	J51201	INCIN	30-Apr-02	6,000	42,600	42,600	42,600	0		845	MI866648	BUFF FUEL
		1	F003,									, , , , ,					
			F005,					,] []		}	
_1	WASTE TOL/METH	HAZ	D001		EQ RESOUR	J51201	INCIN	2-May-02	6,000	42,600	42,600	42,600	00	0	846	MI866648	BUFF FUEL
		·	F002,	Plant		•				40040				1 2255	~. →		
2	WASTE CARBON UNIT	HAZ	F005	Effluent	ENVIROTROL	- T	RECYC	3-May-02	0	12,340	12,340	3,085	0	9,255	847	PAG31214	AUTUMN IND
			F003, F005,														
1	WASTE TOL/METH	HAZ	D003,	FC102	EQ RESOUR	151201	INCIN	3-May-02	6,000	42,600	42,600	42,600	0	0	848	MI866648	BUFF FUEL
' -	TO THE TOP/IVILITY	I IAZ	F003,	1 0102	LW NEOCON	1001201	1140114	O-IVIGY-UZ	0,000	72,000	72,000	-12,000		- 		1111333040	-
ļ			F005,]	}										
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	J51201	INCIN	8-May-02	6,000	42,600	42,600	42,600	0	0	849	MI866648	BUFF FUEL
			F002,														1
]			F003,				1		ĺ	!							}
			F005,]
40	MACTE COLID	1147	D021,		ENOCO	4070470	INICINI	10 May 02	^	7.400	7 400	7 400	0	0	850	AR129486	LIAZMAT
	WASTE SOLID WASTE POH	HAZ HAZ	D022 D001	PNBC	ENSCO ENSCO	1378178 1393067	INCIN	10-May-02 10-May-02	0	7,492 4,476	7,492 4,476	7,492 4,476	0		850	AR129486	
	WASTE AMIDE CLOR	HAZ	D001	ACL	ENSCO	1393067	INCIN	10-May-02	0	1,469	1,469	1,469	0	1 0	850	AR129486	
		11,742	D003,			1.555017		.5, 02		.,	.,	 		 - - - - - - - -		1	
1	WASTE TMTC	HAZ	F005	TMTC	ENSCO	1393020	INCIN	10-May-02	0	400	400	400	0	0	850	AR129486	HAZMAT
			D001,														
			F003,									00.515	_		0=6		
_1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOURO	J51201	INCIN	10- M ay-02	2,950	20,945	20,945	20,945	0	0	852	MI/51396	BUFF FUEL
			D001, F003,														
1,	WASTE TOL/METH	HAZ	F003,	FC102	EQ RESOUR(151201	INCIN	13-May-02	6,000	42,600	42,600	42,600	0	0	853	MI751399	BUFF FUEL
- 'f	TO THE TOLINILITY	174	D001,	10102	ra uroooid	001201	1110111	10 IVIQY-02	0,000	72,000	72,000	72,000		1 -		1.111.01000	
			F003,				ŀ										
<u> </u>	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	J51201	INCIN	17-May-02	6,000	42,600	42,600	42,600	0	0	854	MI751399	BUFF FUEL
			D001,														
			F003,									15.55	_	1 _ 1]
1 1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOURO	J51201	INCIN	29-May-02	6,000	42,600	42,600	42,600	0	0	855_	MI751399	BUFF FUEL
			D001,														
1	WASTE TOL/METH	HAZ	F003, F005	FC102	EQ RESOUR	151201	INCIN	3-Jun-02	6,000	42,600	42,600	42,600	0	0	856	MI751399	BUEE EUE
-' '	VVAOTE TOL/IVIETTI	11/42	D001,	1 0 102	EW KESOUK(331201	INCIN	J-Juli-UZ	_0,000	42,000	42,000	42,000		+	000	WIII O LOGG	DOLL LOCK
]			F003,]]
1/\	WASTE TOL/METH	HAZ	F005	FC102	EI DUPONT .	OW11243	INCIN	5-Jun-02	5,300	37,630	37,630	37,630	0	0	857	NJA40872	BUFF FUEL
			D001,														
			F002,]]	ļ]	ļ
			F003,											1 1			
- 1		1	F005,					Ì								ľ	
_[.			D021,							4.00.	4 8 5 4	1 22 1	_		050	LDV00047	
\ ک	NASTE ACE/TOLUENE	HAZ	D022,		NORLITE	ST004502	INCIN	6-Jun-02	0	1,334	1,334	1,334	0	0	858	NYG33174	IUNITED IND

11

- 1	WASTE	HAZ/	EPA	PROC		APPROVA	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	l .	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER
	_								gals	lbs	lbs	lbs	lbs	ibs	NUM	NUM	
			D001,		 		<u> </u>					-			110111	1.0	
			F002.	}]						,]]
			F003,											}			
ĺ			F005,		1									ĺ			
1		}	D021,		}	1					}	1		1 1		1	
57	WASTE ACE/TOLUENE	HAZ	D022,		NORLITE	ST004502	INCIN	6-Jun-02	0	23,266	23,266	23,266	0	0	858	NYG33174	UNITED IND
			D001,													 	
			F003,	1						[
1 \	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	J51201	INCIN	7-Jun-02	5,820	41,322	41,322	41,322	0	0	860	MI751399	BUFF FUEL
			D001,														
			F003,		<u> </u>												
1 \	NASTE TOL/METH	HAZ	F005		EQ RESOUR	J51201	INCIN	12-Jun-02	5,820	41,322	41,322	41,322	0	0	861	MI751399	BUFF FUEL
_			F002,	Plant													
	SOLID CARBON UNITS	HAZ	F005	Effluent	ENVIROTROL		RECYC	14-Jun-02	0	12,220	12,220	3,055	0	9,165	862	PAG3124	AUTUMN IN
<u> 1 V</u>	NASTE ETHANOL/MET	HAZ	D001		NORLITE	0209-01	INCIN	20-Jun-02	6,300	44,730	44,730	44,730	0	0	863	NYG3204:	BUFF FUEL
			D001,														
			F005,		ł	}			!			}		1		}	
	VASTE TOL/METH	HAZ	F003		EI DUPONT	OW11243	INCIN	21-Jun-02	3,944	28,002	28,002	28,002	0	0		NJA40871	
1 V	VASTE ETHANOL/MET	HAZ	D001		NORLITE	0209-01	INCIN	21-Jun-02	0	25,730	25,730	25,730	0	0	865	NYG33190	BUFF FUEL
			F002,			[ĺ	ĺ				[1			
			F003,			}										1	
		1	F005,]]					}		1 1		}	
46 14	WASTE COLID		D021,									1					
10/1	VASTE SOLID	HAZ	D022		ENSCO	WMDS1378	INCIN	21-Jun-02	0	5,524	5,524	5,524	0	0	866	AR129475	HAZMAT
2 14	MACTE ETHIN ABBIE		D001,				. 1					} .		1			
<u> </u>	VASTE ETHYLAMINE	HAZ	D002		ENSCO	WMDS1392	INCIN	21-Jun-02	0	736	736	736	00	0	866	AR129475	HAZMAT
			D001,														
6 14	VASTE TOL/ACI	1107	D003,							[4				
	VASTE TOL/ACI	HAZ	F005			WMDS1392	INCIN	21-Jun-02	0	2,040	2,040	2,040	0	0		AR129475	
	VASTE SODIUM HYD	HAZ	D002			WMDS1393	INCIN	21-Jun-02	0	3,022	3,022	3,022	0	0		AR129475	
	VASTE POH	HAZ	D001			WMDS1393	INCIN	21-Jun-02	0	1,904	1,904	1,904	0	0		AR129475	
	ONS NOT SUBJECT TO	HAZ	D003	Ĺ	ENSCO	WMDS1393	INCIN	21-Jun-02	0	342	342	342	0	0	867	AR129475	HAZMAT

594.4 590.6 577.2 0.0 13.4

		D001,											
		F005,	•								1		
1 WASTE TOL/METH	HAZ	F003	FC102	EI DUPONT	OW11243	WWT	4-Apr-02	5,855	48,831	48,831	48,831	0	827

HAULER

2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

QTY	3-Jul-02 WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVA	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT lbs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	
			D001,										<u> </u>				
4	LAVA OTE TOU MAETU		F005,	F0400			1000	4.4	10	47.070	47.070	1	47.070		000		
ı	WASTE TOL/METH	HAZ	F003 F002,	Plant	EI DUPONT	OW11243	WWT	4-Apr-02	5,740	47,872	47,872	 	47,872	0	828	4	
2	WASTE CARBON UNIT	HAZ	F005	1	ENVIROTRO	ı	RECYC	8-Apr-02	0	11,080	11,080	2,770	0	8,310	830	}	
	TWO I E STANDON SINI	11742	D001,	Lindon	LITTINOTINO		INLOTO	0 7 (p) 02	<u> </u>	11,000	11,000	2,770		0,010		1	
			F005,									}				1	
1	WASTE TOL/METH	HAZ	F003	FC102	EI DUPONT	J51201	WWT	8-Apr-02	6,000	50,040	50,040		50,040	0	831		
			D001,]	
			F003,														
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	(J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833	4	
			D001,														
1	WASTE TOL/METH	HAZ	F003, F005	EC102	EI DUPONT	01/41242	wwr	11-Apr-02	4,860	40,532	40,532		40,532	0	834		
<u>'</u>	VVASTE TOE/METT	1172	D001,	10102	ELDOPONI	OVV11243	70001	11-Api-02	4,000	40,332	40,332	 	40,332	+	004	-	
			F003,														
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	dJ51201	INCIN	12-Apr-02	5,508	41,310	41,310	41,310	0	0	835		
			D001,							, , , , , , , , , , , , , , , , , , , ,						1	
			F002,F00							i		1 1		1 1			
			3, F005,														
			D021,														
2	WASTE ACE/TOLUENE	HAZ	D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836		
			D001,							1				1 1			
			F002,F00 3, F005,														
			D021,					•									
9	WASTE ACE/TOLUENE	HAZ	D021,	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0		836		
	177.0127.027.0202.112	1772	F003,	10102	NOREHE	01004002	1110111	12 / tpi 02		0,004	0,004	0,001				-	
			F005,	•							ĺ						
1	WASTE TOL/METH	HAZ	D001	FC102	EI DUPONT	OW11243	wwr	16-Apr-02	5,824	48,572	48,572		48,572	0	838		
			F003,														
			F005,														
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	J51201	INCIN	18-Apr-02	6,000	45,000	45,000	45,000	0	0	839	1	
			F003,														
1	WASTE TOL/METH	HAZ	F005, D001	EC102	EQ RESOUR	154004	INCIN	19-Apr-02	5,900	44,250	44,250	44,250	0		840		
	VASTETOLIMETTI	NAZ	F003,	FQ102	EQ RESOUR	J51201	INCIN	19-Apr-02	5,900	44,250	44,250	44,250	U	 	040		
		-	F005,														
1	WASTE TOL/METH	HAZ	D001	FC102	EI DUPONT	OW11243	wwr	23-Apr-02	5,485	45,745	45,745		45,745	0	841		
			F003,			,		· ·p· · v _	-,		,-		,			1	
			F005,														
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	J51201	INCIN	24-Apr-02	5,900	44,250	44,250	44,250	0	0	842]	
			F003,													[
			F005,											_			
	WASTE TOL/METH	HAZ	D001			OW11243	WWT	25-Apr-02	5,485	45,745	45,745	00.005	45,745	0	843		
1	WASTE DMF	HAZ	D001	ACL	NORLITE	SAN216123	INCIN	26-Apr-02	2,944	22,080	22,080	22,080	0	0	844	J	

2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVA CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT lbs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER
			F003,								1						<u></u>
			F005,														
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	J51201	INCIN	30-Apr-02	6,000	45,000	45,000	45,000	0	0	845		
			F003,]	ļ			-			
	MAIA OTE TOL MAETIL	1107	F005,	F0400			INIOINI	0.1400	0.000	45.000	45.000	45 000	•		0.40	·	
7	WASTE TOL/METH	HAZ	D001	FC102 Plant	EQ RESOUR	QJ51201	INCIN	2-May-02	6,000	45,000	45,000	45,000	0	0	846	4	
2	WASTE CARBON UNIT	HAZ	F002, F005		ENVIROTROI	İ	RECYC	3-May-02	0	12,340	12,340	3,085	0	9,255	847		
	WASTE CARBON ONT	TIAL	F003,	Lilluelli	ENVIROTROI	<u> </u>	RECTO	3-101ay-02	0	12,340	12,340	3,003	<u> </u>	9,233	047	-	
			F005,														
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	0.151201	INCIN	3-May-02	6,000	45,000	42,600	42,600	0	0	848		
		117.12	F003,		24.1250011	1			0,000	10,000	1 :=,000	1,000				1	
			F005,														
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOUR	J51201	INCIN	8-May-02	6,000	45,000	42,600	42,600	0	0	849		
			F002,						·								
			F003,														
			F005,														
			D021,														
	WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	10-May-02	0	7,492	7,492	7,492	0	0	850	_	
	WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	10-May-02	0	4,476	4,476	4,476	0	0	850	1	
14	WASTE AMIDE CLOR	HAZ	D003	ACL	ENSCO	1393044	INCIN	10-May-02	0	1,469	1,469	1,469	0	0	850	-	
اہ	NAVA OTE TRATO		D003,	TMTO			10101	40 Mari 00	_	400	400	1 400	0		050		
	WASTE TMTC	HAZ	F005	TMTC	ENSCO	1393020	INCIN	10-May-02	0	400 953	400 953	953	0	0 0	850 851	1	
	WASTE NON NBI WASTE NON PHCF	NON NON	ļ	PTSI PHCF	ENSCO ENSCO	1393036 1378189	INCIN	10-May-02 10-May-02	0	5,884	5,884	5,884	0	0	851	1	
	WASTE PTSI RESIDUE	NON		PTSI	+	225079	INCIN	10-May-02 10-May-02	0	7,763	7,763	7,763	0	0	851	-	
14	WASTE FTSI RESIDUE	NON	D001,	F 1 31	ENSCO	223079	HACHA	10-May-02	0	7,703	7,703	7,703			001		
			F003,														
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR] 1.151201	INCIN	10-May-02	2,950	22,125	22,125	22,125	0	0	852		
	TWO I COLUMN	.,,,,	D001,	, 0,102	Lance	001201		10 1110, 52	,			,				1	
			F003,								:						
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	J51201	INCIN	13-May-02	6,000	45,000	45,000	45,000	0	0	853		
			D001,														
			F003,														
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	J51201	INCIN	17-May-02	6,000	45,000	45,000	45,000	0	0	854]	
			D001,														
			F003,										_				
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	J51201	INCIN	29-May-02	6,000	45,000	45,000	45,000	0	0	855		
			D001,				[
	14/4 OTF TOL /44FTL		F003,	E0.400					0.000	45.000	45.000	45.000	•		050		
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	J51201	INCIN	3-Jun-02	6,000	45,000	45,000	45,000	0	0	856	-	
		1	D001,														
			F003,				i .					1 !				1	

2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

	3-Jul-02 WASTE	HAZ/	EPA	PROC		APPROVA	DISP	SHIP	DISP	DISP	HAZ		WW	DEOVO! E	MEGT	STATE	
QTY	DESCRIPTION	NON	CODES	GEN	TSDF		METHOD		VOL gals	WT	WT	INCINERATION WT Ibs	WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	MFST NUM	HAULER
		1	D001,	 					gais	103	Edi	100	103	105_	140141	140141	
			F002,	ļ	1												
			F003,											Ī			
			F005,														
			D021,		1												
3	WASTE ACE/TOLUENE	HAZ	D022,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	1,334	1,334	1,334	0	0	858		
			D001,													1	
			F002,														
			F003,														
			F005,														
			D021,							•				1			
	WASTE ACE/TOLUENE	HAZ	D022,			ST004502	INCIN	6-Jun-02	0	23,266	23,266	23,266	0	0	858		
1	WASTE NON REG SOLID	NON		FC102	BRIDGEPOR	2390DE4	INCIN	6-Jun-02	0	108	108	108	0	0	859		
	<u> </u>			Carbaest					_								
14	WASTE NON REG CARB	NON	D 004	er	BRIDGEPOR	70927DE4	INCIN	6-Jun-02	0	6,125	6,125	6,125	0	0	859		
			D001,	İ													
4	NAVA OTE TOL MAETIL		F003,	F0400]		7 1 00	- 000	40.050	40.050	40.050	•	1 , 1	000		
1	WASTE TOL/METH	HAZ	F005	FC102	EQ RESOUR	QJ51201	INCIN	7-Jun-02	5,820	43,650	43,650	43,650	0	0	860	-	
			D001,														
4	 WASTE TOL/METH	HAZ	F003, F005	EC102	EO DECOLID	154004	INCIN	40 lum 00	E 930	42.650	42.050	42.650	0		964	}	
	VASTE TOL/METH	naz	F005	FC102 Plant	EQ RESOUR	(J51201	INCIN	12-Jun-02	5,820	43,650	43,650	43,650	0	0	861		
2	SOLID CARBON UNITS	HAZ	F002,		ENVIROTRO		RECYC	14-Jun-02	0	12,220	12,220		0	12 220	862		
	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	20-Jun-02	6,300	47,250	47,250	47,250	<u> </u>	12,220	863		
	VASTE ETTANOENIET	11/2	D001,	1 0102	INORLITE	0209-01	INCIN	20-3411-02	0,300	47,200	47,230	47,230	U	 	003		
			F005,		1												
1	WASTE TOL/METH	HAZ	F003	FC102	EI DUPONT	OW/11243	wwr	21-Jun-02	3,944	32,893	32,893		32,893		864	ļ	
	WASTE ETHANOL/MET	HAZ	D001		NORLITE	0209-01	INCIN	21-Jun-02	0	25,730	25,730	25,730	02,000	1 0	865		
•	777 (3 1 2 2 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1	F002,	1 0 102	HORLITE	0200 01	1110111	21 0411 02		20,100	20,700	20,700		1			
			F003,									1					
			F005,														
			D021,								}	1					
16	WASTE SOLID	HAZ	D022		ENSCO	WMDS1378	INCIN	21-Jun-02	0	5,524	5,524	5,524	0	0	866		
			D001,								,						
2	WASTE ETHYLAMINE	HAZ	D002		ENSCO	WMDS1392	INCIN	21-Jun-02	0	736	736	736	0	0	866		
			D001,														
			D003,														
6	WASTE TOL/ACI	HAZ	F005	ACL	ENSCO	WMDS1392	INCIN	21-Jun-02	0	2,040	2,040	2,040	0	0	866		
				Plant													
	WASTE SODIUM HYD	HAZ	D002	Effluent	ENSCO	WMDS1393		21-Jun-02	0	3,022	3,022	3,022	0	0	866		
	WASTE POH	HAZ	D001	PNBC	ENSCO	WMDS1393		21-Jun-02	0	1,904	1,904	1,904	0	0	867		
	WASTE ACI	HAZ	D003		ENSCO	WMDS1393		21-Jun-02	0	342	342	342	0	0	867		
	WASTE NON REG PTSI	NON			ENSCO	WMDS2250		21-Jun-02	0	5,584	5,584	5,584	0	0	868		
8	WASTE NON REG PHCF	NON		PHCF	ENSCO	WMDS1378	INCIN	21-Jun-02	0	3,526	3,526	3,526	0	0	868		
				Parts													
1	WASTE PETROLEUM NAP	NON		Cleaner	SAFETY KL	NY10827JF	TREATED	25-Jun-02	26	208	0	0			869		

652 650 455 180

n —	DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP	WT	HAZ WT	INCINERATION WT	WW	RECOVERY	DOC	STATE MFST	HAULER	TONS PE
				WASTE		CODE			gals	lbs_	lbs	ibs	lbs		NUM	NUM		
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2002 Rev	HAZARDOUS WASTE	REPORT	WORKSHEET															
ЭТ	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF		DISP	SHIP DATE	DISP	WT	HAZ WT	INCINERATION WT	WW	RECOVERY	DOC	STATE MFST	HAULER	TONS PER
		+++		WASTE	<u> </u>	CODE			gals	lbs	ibs	lbs_	lbs	lbs	NUM	NUM	<u> </u>	
-						<u> </u>									-			
-							1								-			
															 			
			····			<u> </u>										<u> </u>		
																		
						<u> </u>										<u></u>		

Total tons hazardous waste	0.0	\$0.00
Total tons incineration	0.0	\$0.00
Total tons wwt	0.0	\$0.00
Total tons recycle	0.0	\$0.00
Tons recycle incineration	0.0	0

2002 4TH QUARTER WASTE TAX

WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
WASTE ACE/4METHCF	HAZ	D001, D002, D003, F003	WASTE	FUSOS	CODE	1110111	70.100	lbs_	ibs	lbs	lbs	lbs	NUM	NUM		ļ
VV/ (OTE / (OE/4)VIETTICI	TAZ	D001, D002, D003, F003 D001, D002, F002, F003,	MSECF	ENSCO	1419625	INCIN	7-Oct-02	385	385	385	0	0	899	AR1294807	HAZMAT	
WASTE ACE/HCL	HAZ	F005, D021, D022		EN000	1440740	(NIOIN)	0.0 00	400	400	400			0.4-7	A D4004504		
WASTE ACE/PHCF	HAZ		 	ENSCO	1419718	INCIN	6-Dec-02	400	400	400	0	0	917	AR1294591	HAZMAT	ļ
TO TE NOE! HO!	TIAL .	D001, D002, D003, F003	 	ENSCO	155776	INCIN	27-Dec-02	1324	1324	1324	0	0	923	AR1363933	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENGOG	4440077	INIOINI	45 N=00	F 457	- 457	F 4F7				AD4004500		
TINOTE NOLITOLOGINE		D001, F002, F003, F005,	 	ENSCO	1419677	INCIN	15-Nov-02	5,157	5,157	5,157	0	0	910	AR1294590	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F003, D021, D022,	1	ENGO	4.440077	INICINI	45 Nov 00	404	464	404			04.0	AD4004500		
TWO TE AGE/TOEGETTE	I DAZ			ENSCO	1419677	INCIN	15-Nov-02	464	464	464	0	0	910	AR1294590	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005,	1		4440000	INIOINI		4 507	4.507	4.507			04-	1004504	İ	
WHO TE ACE/TOEBLINE	NAZ	D021, D022, D001, F002, F003, F005,	 	ENSCO	1419677	INCIN	6-Dec-02	1,597	1,597	1,597	0	0	917	AR1294591	HAZMAT	<u> </u>
WASTE ACE/TOLUENE	HAZ	1			4.455	INIOINI		40.440	40.440	10.440			047			
WHOTE HOLF TOLOLINE	- DAZ	D021, D022,		ENSCO	1419677	INCIN	6-Dec-02	12,416	12,416	12,416	0	0	917	AR1294591	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005,	j	<u> </u>								_				
WASTE ACE/TOLUENE	PAZ	D021, D022,		ENSCO	1419677	INCIN	27-Dec-02	2942	2942	2942	0	0	923	AR1363933	HAZMAT	ļ
WASTE ACE/TOLUENE	1107	D001, F002, F003, F005,	}	ł			}					_		1		
WASTE ACE/TOLUENE	HAZ HAZ	D021, D022,		ENSCO	1419677	INCIN	27-Dec-02	5080	5080	5080	0	00	923_	AR1363933	HAZMAT	
WASTE DEA	HAZ	D003		ENSCO	1393044	INCIN	25-Oct-02	77	77	77	0	00		AR1294589	HAZMAT	
WASTE DEA/TOL		D001	Lecture Bottles		ERG118	INCIN	15-Nov-02	5	5	5	. 0	0		02623144	HAZMAT	
WASTE BEATIOL WASTE ETHYLAMINE	HAZ	D001, F003, F005	HEGCL	NORLITE	ST023302	INCIN	8-Oct-02	16,540	16,540	16,540	0	0		NYG3544641	BUFF FUEL	
WASTE ETHYLENE	HAZ	D001	Lecture Bottles		ERG118	INCIN	15-Nov-02	5	5	5	0	0		02623144	HAZMAT	<u> </u>
WASTE HCL	HAZ HAZ		Lecture Bottles		ERG119	INCIN	15-Nov-02	10	10	10	0	0		02623144	HAZMAT	<u> </u>
WASTE LIQUID	HAZ	D002		ENSCO	1328156	INCIN	25-Oct-02	408	408	408	0	0		AR1294589	HAZMAT	
WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1398655	INCIN	25-Oct-02	5,811	5,811	5,811	0	0		AR1294589	HAZMAT	
WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1408337	INCIN	25-Oct-02	386	386	386	0	0		AR1294589	HAZMAT	ļ
WASTE LIQUID WASTE MET/SOD HYD		F002, F003, F005, D021		ENSCO	1398655	INCIN	6-Dec-02	524	524	524	0	0		AR1294591	HAZMAT	<u> </u>
WASTE MET/300 HTD	HAZ HAZ	D001, D002, F003		ENSCO	1434042	INCIN	27-Dec-02	1244	1244	1244	0	0		AR1363934	HAZMAT	
WASTE NAOH	HAZ	D002		ENSCO	1393023	INCIN	6-Dec-02	2,682	2,682	2,682	0	0		AR1294591	HAZMAT	
WASTE POH	HAZ	D001		ENSCO	1393007	INCIN	25-Oct-02	120	120	120	0	0		AR1294589	HAZMAT	
NASTE FULL NASTE SLUDGE		D001		ENSCO	1393067	INCIN	6-Dec-02	2,130	2,130	2,130	0	0		AR1294591	HAZMAT	ļ
WASTE SLUDGE	HAZ		Plant Effluent	ENSCO	1398655	INCIN	18-Oct-02	40,625	40,625	40,625	0	0	904	AR1294598	HAZMAT	ļ <u>. </u>
WASTE SOLID		F002, F003, F005, D021,									_ 1	_				
WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	7-Oct-02	100	100	100	0	00	899	AR1294807	HAZMAT	<u> </u>
WASTE SOLID	1147	F003, F003, F005, D021,)				1 1]	_			}	
VASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	25-Oct-02	5,392	5,392	5,392	0	0	905	AR1294589	HAZMAT	
VASTE SOLID	1107	F002, F003, F005, D021,			1				1 . 1			_			1	1
VASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	15-Nov-02	1,803	1,803	1,803	0	00	910	AR1294590	HAZMAT	<u> </u>
VASTE SOLID	1107	F002, F003, F005, D021,									_					
VASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	6-Dec-02	5,996	5,996	5,996	0	0	917	AR1294591	HAZMAT	
WASTE SOLID	1147	F002, F003, F005, D021,										_				
VASTE SOLID	HAZ	D022		ENSCO	1378178		27-Dec-02	6004	6004	6004	0	00		AR1363933	HAZMAT	
VASTE TMTC	HAZ	D003, F005		ENSCO	1393020	INCIN	25-Oct-02	2,849	2,849	2,849	0	00		AR1294589	HAZMAT	
VASTE TMTC	HAZ	D003, F005		ENSCO	1393020	INCIN	6-Dec-02	1,100	1,100	1,100	0	0		AR1294591	HAZMAT	ļ <u>.</u>
VASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	15-Nov-02	3,770	3,770	3,770	0	0		AR1294590	HAZMAT	ļ <u> </u>
VASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	6-Dec-02	2,871	2,871	2,871	0	0		AR1294591	HAZMAT	<u> </u>
ASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	27-Dec-02	543	543	543	0	0		AR1363934	HAZMAT	
/ASTE TOL/METH	HAZ	F005, F003		EI DUPONT	OW11243	INCIN	7-Oct-02	17,414	17,414	17,414	0	0		NJA4087184	BUFF FUEL	
VASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	12-Dec-02	47,250	47,250	47,250	0	0		MI7513984	BUFF FUEL	<u> </u>
VASTE TOL/METH	HAZ	D001, D002, F003		Q RESOURCE	J51201	INCIN	12-Dec-02	45,000	45,000	45,000	0	0		MI7513983	BUFF FUEL	<u> </u>
/ASTE TOL/METH	HAZ	D001, D002, F003	ł	EI DUPONT	OW11243	INCIN	13-Dec-02	40,415	40,415	40,415	0	0	921	NJA4087186	BUFF FUEL	1

2002 4TH QUARTER WASTE TAX

2002 HAZARDOUS WASTE RE	PORT WORKSHEET
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WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TONS PER
DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	wr i	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
			WASTE		CODE			lbs	ibs	lbs	lbs	lbs	NUM	NUM		
WASTE TOL/METH	HAZ	D001, D002, F003		EI DUPONT	OW11243	INCIN	16-Dec-02	23,581	23,581	23,581	0	0	922	NJA4087187	BUFF FUEL	
WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	9,386	9,386	9,386	0	0	913	MI7612354	BUFF FUEL	
WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	41,154	41,154	41,154	0	0	914	MI7612355	BUFF FUEL	
WASTE VINYL CL	HAZ	D001	Lecture Bottles	SET ENVIR	ERG116	INCIN	15-Nov-02	5	5	5	0	0	911	02623144	HAZMAT	
WASTE XY 345TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	25-Oct-02	1,030	1,030	1,030	0	0	905	AR1294589	HAZMAT	
WASTE XYL METH	HAZ	D001	TMBCL	EQ RESOURCE	J51201	INCIN	1-Nov-02	31,583	31,583	31,583	0	0	908	MI8666866	BUFF FUEL	
WASTE XYL/TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	6-Dec-02	3,970	3,970	3,970	0	0	917	AR1294591	HAZMAT	
WASTE METHANOL	HAZ	D001, F003		EQ RESOURCE	L41702	INCIN	6-Dec-02	36,898	36,898	36,898			916	MI8666171	BUFF FUEL	
								428,446								
WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTROL	WW15524	RECYC	11-Oct-02	12,000	12,000	0	0	12,000	903	PAG366340	AUTUMN IND	
WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTROL	16160	RECYC	5-Nov-02	4,000	4,000	0	0	4000	909	PAG366339	AUTUMN IND	
WASTE SPENT CARBON	HAZ	F002, F005		ENVIROTROL	ERG 171	RECYC	26-Nov-02	8,200	8,200	0	0	8200	915	PAG366325	AUTUMN IND	
								24,200								
CHLORINE	HAZ	D002	Lecture Bottles	SET ENVIR	ERG124	TREATED	15-Nov-02	10	10	0	0	10	912	02623145	HAZMAT	
WASTE SODIUM HYD	HAZ	D002, D005		CWM CHEM	BY1701	TREATED	25-Oct-02	520	520	0			907	NYG3544092	HAZMAT	

TOTAL WEIGHT 453,176

	TONS	DOLLARS
total tons generated	226.6	
tons not subjet to assessi	12.1	
ton subject to assessmen	214.5	
tons incinerated	214.2	\$1,928.01
tons wwt	0.3	\$4.24
total assessment due		\$1,932.25

176 214.2228254

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QT	Y DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	wwT	DEOVOLE (BEO	DOC	WASTE SUM
	WASTE N	I WADIE	I NOOLOG	1 1001	APPROVAL	METHOD	DATE	VOL	TOTAL WI.	MAZ. VVI.	INCINERATION	1 4444 1	RECYCLE / REC	DOC	WASTE SUM
	24 NDIMETHYL	HAZ	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	10,161
	43 NON HAZ AVANEI		Avanel	NORLITE	ST007102	INCIN	10-Apr-02	Ö	18,146	0	18,146	0	0	832	64,310
	44 NON HAZ AVANEI		Avanel	NORLITE	ST007202	INCIN	10-Apr-02	0	18,125	0	18,125	1 0 1	0	832	0 1,0 10
	35 NON HAZ AVANEI	NON	Avanel	NORLITE	ST00712	INCIN	12-Apr-02	0	14,535	0	14,535	0	0	837	
	32 NON HAZ AVANEI	NON	Avanel	NORLITE	ST007202	INCIN	12-Apr-02	0	13,504	О	13,504	0	0	837	
	WASTE BCF														
<u> </u>	1 METH	HAZ	BCF	C HARBOR	CH124265	INCIN	18-Jan-02	0	399	399	399	0	0	795	710
<u> </u>	1 WASTE BCF/METI	HAZ	BCF	C HARBORS	CH183171	INCIN	24-Jan-02	0	311	311	311	0	0	804	
	WASTE BUT/														
-	2 POH	HAZ	BUCL	C HARBOR		INCIN	18-Jan-02	0	835	835	835	0	0	794	956
	1 WASTE BUCL	HAZ	BUCL	ENSCO	WMDS1393021	INCIN	27-Mar-02	0	121	121	121	0	00	824	
	FLAM LIQ 1 TOL/MET		E0400				-	5000	10.010	10.010	10.010		•	705	0.47.550
	FLAM LIQ	HAZ	FC102	EQ RESOURCE	J51201	INCIN	7-Jan-02	5960	42,316	42,316	42,316	0	0	785	917,553
	1 TOL/MET	HAZ	FC102	EI DUPONT	0\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	INICINI	9 Jan 00	4004	24 707	24.707	24 707	1 1	0	707	
<u> </u>	FLAM LIQ	TIAL	FC 102	ELDOPONT	OW11243	INCIN	8-Jan-02	4901	34,797	34,797	34,797	0	0	787	
-	1 TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	9-Jan-02	6000	42,600	42,600	42,600		0	788	
1	FLAM LIQ	11/1/2	10102	EQ RESOURCE	331201	INCIN	9-Jan-02	0000	42,000	42,000	42,000	0	U	700	
	1 TOL/MET	HAZ	FC102	EI DUPONT	OW11243	INCIN	10-Jan-02	6000	42,600	42,600	42,600	0	0	789	
	FLAM LIQ			2.00.01	0111240	III OII I	10 0411 02	0000	12,000	12,000	42,000			100	
	1 TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	14-Jan-02	5960	42,316	42,316	42,316	o	0	790	
	FLAM LIQ									,	,				
	1 TOL/MET	HAZ	FC102	EI DUPONT	OW11243	INCIN	15-Jan-02	5200	36,920	36,920	36,920	0	0	792	
1	FLAM LIQ								· ·						
	1 TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	16-Jan-02	6000	42,600	42,600	42,600	0	0	793	
	WASTE					-			-			}			
<u></u>	4 ACE/METH	HAZ	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	
1	WASTE	1147	E0.400										_		
	3 ACE/METH 1 WASTE TOL/METH	HAZ		C HARBORS		INCIN	24-Jan-02	0	938	938	938	0	0	804	
	1 WASTE TOL/METH	HAZ HAZ		EQ RESOUR		INCIN	30-Jan-02	5800	41,180	41,180	41,180	0	0	806	
	1 WASTE ETHANOL	HAZ		EQ RESOUR NORLITE		INCIN	6-Feb-02	6000	42,600	42,600	42,600	0	0	809	
	WASTE ETHANOL	HAZ			SAN215919 SAN215944	INCIN INCIN	15-Feb-02 27-Feb-02	6002	42,614 42,600	42,614 42,600	42,614 42,600	0	0	810 812	
	WASTE ETHANOL	HAZ			SAN215944 SAN215956	INCIN	6-Mar-02	6000 5960	42,800	42,800	42,316	0	0	813	
	WASTE ETHANOL	HAZ			SAN215956 SAN215978	INCIN	13-Mar-02	6000	42,600	42,600	42,600	0	0	818	
	WASTE ACE/TOLU	HAZ			SAN215976 SAN215982	INCIN	15-Mar-02	0	931	931	931	0	0	819	
	WASTE ACE/TOLU	HAZ			SAN215982	INCIN	15-Mar-02	0	17,203	17,203	17,203	0	0	819	
	WASTE ETHANOL	HAZ			SAN215903	INCIN	15-Mar-02	4321	30,679	30,679	0	0	0	822	
	NON HAZ CLEAN	NON			WMDS1393015	INCIN	27-Mar-02	0	373	0	373	0	0	825	
	WASTE TOL/METH	HAZ		EI DUPONT (INCIN	4-Apr-02	5855	41,180	41,180	41,180	0	0	827	
	WASTE TOL/METH	HAZ		EI DUPONT		INCIN	4-Apr-02	5740	40,754	40,754	40,754	0	0	828	

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QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
	WASTE TOL/METH	HAZ	FC102	EI DUPONT	J51201	INCIN	8-Apr-02	6000	42,600	42,600	42,600	0	0	831	
	WASTE TOL/METH	HAZ	FC102	EQ RESOUR	J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833	_
	WASTE TOL/METH	HAZ	FC102	EI DUPONT	OW11243	INCIN	11-Apr-02	4860	34,506	34,506	34,506	0	0	834	_
1 1	WASTE														
	TOL/METH	HAZ	FC102	EQ RESOUR	J51201	INCIN	12-Apr-02	5508	39,106	39,106	36,106	0	00	835	.
	WASTE ACE/TOLU		FC102		ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836	_
	WASTE ACE/TOLU		fc102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836	_
	WASTE TOL/METH	HAZ	fc102	EI DUPONT	 	INCIN	16-Apr-02	5824	41,350	41,350	41,350	0	0	838	_
1	WASTE TOL/METH	HAZ	FC102	EI DUPONT	OW11243			5888	41,805	41,805	41,805	0	0	808	
	WASTE TOLUENE	HAZ	HEGCL	O HADDODG	01457440	INICINI	04 100 02		000	1 020	020			805	- 14 274
	WASTE DEA	HAZ	HEGCL	C HARBORS		INCIN	24-Jan-02	0	928	928	928	0	0	805	14,274
	WASTE SOLID	HAZ	HEGCL	C HARBORS	CAN2542R	INCIN RECYC	24-Jan-02 30-Jan-02	0	11,346 2,000	11,346 2,000	11,346 0	0	2000	807	-
	WASTE HYD CL A	HAZ	LAB		00762-304C	TREATED	6-Mar-02	0	10	10	0	10	0	814	- 65
-	WASTE DEA ANH	HAZ	LAB	SAFETY KL		TREATED	6-Mar-02	0	5	5	0	5	0	814	_
	WASTE CHLORIN	HAZ	LAB		00762-068C	TREATED	6-Mar-02	0	10	10	0	10	0	814	-
	WASTE CYANOGE	HAZ	LAB	SAFETY KL		TREATED	6-Mar-02	0	5	5	Ö	5	0	814	-
	WASTE METH AN	HAZ	LAB	SAFETY KL		TREATED	6-Mar-02	0	5	5	0	5	0	815	-
	AMMONIA ANHY	NON		SAFETY KL		TREATED	6-Mar-02	0	5	0	0	5	0	816	-
	COMPRESSED GA			SAFETY KL		1112/122	6-Mar-02	0	25	0	Ö	1		817	-
	NON HAZ PHCF	NON	PHCF		WMDS1378189	INCIN	27-Mar-02	0	7,983	0	7,983	0	0	825	7,983
									, , , , , , , , , , , , , , , , , , , ,	<u> </u>	<u> </u>				1
3\	WASTE DIOXANE	HAZ	Pilot Lab	C HARBOR	CH117739	INCIN	18-Jan-02	0	1,097	1,097	1,097	0	0	794	1,097
3 8	SOLID CARBON U	HAZ	PLANT	ENVIROTRO	L	RECYC	7-Aug-61	0	22,500	22,500	Ö	0	22500	823	135,787
/	WASTE CARBON														
	JNIT	HAZ	PLANT	NVIROTROL		RECYC	22-Jan-02	0	22,000	22,000	0	0	22000	801	
	WASTE CARBON		-												
	JNIT	HAZ	PLANT	ENVIROTROL		RECYC	24-Jan-02	0	28,980	28,980	0	0	28980	802	
, ,	NON REG						ļ ,					}			
	MATERIAL	NON	PLANT	C HARBORS	CH157113	STORAGE	24-Jan-02	0	421	0	0	0	0	803]
	NON REG										_		_		
	MATERIAL	NON		C HARBORS		STORAGE		0	1,489	0	0	0	0	803	ĺ
	WASTE ACETONE	HAZ		C HARBORS		INCIN	24-Jan-02	0	845	845	845	0	0	805	
	WASTE CARBON	HAZ		ENVIROTROI		RECYC	27-Feb-02	0	7,140	7,140	0	0	7140	811	-
	WASTE CALISTIC	NON			SAN215982	LANDFILL	15-Mar-02	00	400	0	0	0	0	820	
	VASTE CAUSTIC VASTE CAUSTIC	HAZ			WMDS1393023	INCIN	27-Mar-02	0	4,983	4,983	4,983	0	0	824	
	VASTE CAUSTIC	HAZ	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	
	CETONE	HAZ	Dlant	0.114.55.55		INCIN	40 1 00	_	4 400	4 400	4.400		0	700	
	SOLID CARBON		Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	
1	JNITS	HAZ	PLANT	אוייום טבטטי		DECAC	14 lan 02		2E 000	35,000	Λ	0	35000	791	
	VASTE CARBON	HAZ		NVIROTROL		RECYC	14-Jan-02	0 0	35,000	35,000	0	0	10400	830	
	WOLF OVIDOIA	11/14	LFWIAI	ENVIROTROL		_ RECYC	8-Apr-02	U	10,400	10,400	υ		10400	030	

QTY DESCRIPTION WASTE PROCESS TSDF APPROVAL METHOD DATE VOL TOTAL WT. HAZ. WT. INCINERATION WWT RECYCLE / REC DO	C WASTE SUM
QTY DESCRIPTION WASTE PROCESS TSDF APPROVAL METHOD DATE VOL TOTAL WT. HAZ. WT. INCINERATION WWT RECYCLE/REC DO	C WASTE SUM
QTY DESCRIPTION WASTE PROCESS TSDF APPROVAL METHOD DATE VOL TOTAL WT. HAZ. WT. INCINERATION WWT RECYCLE / REC DO	C WASTE SUM
9 WASTE POH HAZ PNBC C HARBOR CH183013 INCIN 18-Jan-02 0 3,634 3,634 3,634 0 0 79	4,895
2 WASTE PNBC	5
WASTE MCB	
1 DEA HAZ PNBC CHARBOR CH147725 INCIN 18-Jan-02 0 199 199 199 0 0 79	6
TOXIC LIQUID	
1 PNBC NON PNBC C HARBORS CH147741 STORAGE 24-Jan-02 0 162 0 0 0 0 80	3
3 WASTE MCB	11,613
3 WASTE MCB	5
WASTE MCB /	
2 FUEL OIL HAZ PTSI C HARBOR CH131275 INCIN 18-Jan-02 0 1,100 1,100 0 0 79	5
5 WASTE PTSI	
6 NON REG TAR NON PTSI C HARBORS CH124261 STORAGE 24-Jan-02 0 3,241 0 0 0 0 80	3
WASTE	
2 PTSA/ACE HAZ PTSI C HARBORS CH131345 INCIN 24-Jan-02 0 765 765 765 0 0 80	
1 WASTE FUEL OIL HAZ PTSI C HARBOR CH131275 INCIN 24-Jan-02 0 478 478 0 0 80	5
2 NON HAZ WOOD NON PTSI ENSCO WMDS1378180 INCIN 27-Mar-02 0 270 0 270 0 0 82	
1 NON HAZ NBI NON PTSI ENSCO WMDS1393036 INCIN 27-Mar-02 0 118 0 118 0 0 82	6
WASTE	
2 TMTC/TOL HAZ TMTC C HARBOR CH158110 INCIN 18-Jan-02 0 1,103 1,103 0 0 79	11,150
WASTE	
5 TMTC/TOL HAZ TMTC C HARBOR CH158113 INCIN 18-Jan-02 0 2,990 2,990 0 0 79	,
WASTE	
10 TMTC/TOL HAZ TMTC C HARBOR CH158118 INCIN 18-Jan-02 0 4,392 4,392 0 0 79	
4 WASTE TMTC	
2 WASTE NITRILES HAZ LAB C HARBOR CH156112 INCIN 18-Jan-02 0 121 121 121 0 0 79	3
5 NON HAZARDOUS NON phosgene BRIDGEPORT 0927DN4 STORAGE 15-Mar-02 0 1,526 0 0 0 0 0 82	
14 NON HAZARDOUS NON PTSI BRIDGEPORT 0928DN4 STORAGE 15-Mar-02 0 7,604 0 0 0 0 0 82	
15 WASTE HAZ SOLI HAZ pcf ENSCO wmds1378178 INCIN 27-Mar-02 0 5,809 5,809 0 0 82	
548.76 472.27 0.02 64.01	

AMIDE CHLORIDE	10,161
AVENAL	64,310
BENZYL CHLOROFORMATE	710
BUTRYL CHLORIDE	956
FC102	917,553
HEGCL	14,274
LAB	1,283
PHENYL CHLOROFORMATE	13,792
PLANT	135,787

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QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	wwT	RECYCLE / REC	DOC	WASTE SUM

 PNBC
 4,895

 PTSI
 19,217

 TMTC
 11,150

 phosgene
 1,526

 miscellaneous
 2,482

 total
 1,195,614

2002 WASTE DISPOSAL

Waste Description		Total Ton		NYD080469935	NYD000632372	Site 4-EQRR MID060975844	Site 5-DuPont NJD002385730	Site 6-Calgon PAD000736942	Site 7-CH Balt MDD980555189		Site 9-Calgon KY KYD005009923	Site 10-SET Env TXD055135388	
MISC SOLVENT WASTE	Α	1078.71	20.70	222.40		822.93			12.67				
WASTE OIL	В	0.00											
WASTE DEA	C	0.00											
PLANT OUT OF SPEC	D	3.48	1.43						2.04				
LAB PACS	E	0.04			0.02							0.02	
PROCESS RESIDUE	F	17.97	9.79						8.18				
LAB LIQUID	G	0.00											
LAB SOLID	H	0.00								1			
WASTEWATER	ı	340.45					340.45						
SPILLS/CLEANUP	J	30.60	30.60										
CARBON	K	108.31						3.00		99.31	6.00		
MISC CORROSIVE	L	0.20	0.20										
PROCESS CLEANOUT	M	8.26	6.09						2.17	1		1	
WASTE PAINT	N	0.00											
TANK CLEANOUT	0	29.68	29.68										
WW NEUT./NAOH	Р	6.48	5.97			1			0.25				0.26
FILTERS	Q	0.00											

TOTAL

1624.17

Y	WASTE DESCRIPTION	HAZ NON		PROCESS GEN WASTE	TSDF	APPROVAL	DISP		DISP WT	HAZ WT	INCIN WT Ibs	WW	RCY	MFST DOC NUM	STATE MFST NUM	HAULER	Tanker/Drum
3	WASTE MCB	TA	D001, D021	PTSI	C HARBOR	CODE CH124412	INCIN	gals 0	1,334	1,334	1,334	lbs 0	lbs 0	795	MDC0895593	C. HARBORS	D-2
2	WASTE MCB / FUEL OIL	A	F002, D001, D021	PTSI	C HARBOR	CH131275	INCIN	0	1,100	1,100	1,100	0	0	795	MDC0895593		
_	WASTE N NOIMETHYL	A	D001	ACL	C HARBOR	CH131343	INCIN	0	10,161	10,161	10,161	0	0	795	MDC0895593		
_	WASTE DEA	A	D001	HEGCL	C HARBORS	CH131343	INCIN	0	11,346	11,346	11,346	_ 0	0	805	MDC0895646		
	WASTE FUEL OIL/MCB	A		PTSI	C HARBORS	CH131275	INCIN	0	478	478	478	0	0	805	MDC0895646	C. HARBORS	
2 ۱	WASTE TOLUENE	A	F005, D001	HEGCL	C HARBORS	CH157112	INCIN	0	928	928	928	0	0	805	MDC0895646	C. HARBORS	
4								1 1				440					The in the second of the second which is a second of the
4	WASTE POH		D001	PNBC	FNICOC	4000007	1110111		4.470	4 476	4.470			950	AD4004005	HAZMAT	D-9
_	WASTE POH	A	D001	PNBC	ENSCO	1393067	INCIN	0	4,476	4,476	4,476	0	0		AR1294865	HAZMAT	D-9 D-11
_	WASTE POH	A	D001	PNBC	ENSCO ENSCO	1393067 1393067	INCIN	0	1,904 3,119	1,904 3,119	1,904 3,119	0	0			BUFF FUEL	D-14
+	WASTERON	+-^-	D001, D002, D003,	FINDO	ENSCO	1393067	INCIN		3,119	3,119	3,119	0		050	AK 1234047	BOIT FOLE	
11/	WASTE ACE/4METHCF	l A	F003	MSECF	ENSCO	1419625	INCIN	0	385	385	385	0	0	899	AR1294807	HAZMAT	D-16
+		+	D001, F002, F003,		111000	1413023	1 110111			555	- 000				/ 11/120 1001		
1 1	WASTE ACE/TOLUENE	l a	F005, D021, D022,		ENSCO	1419677	INCIN	0	464	464	464	0	0	910	AR1294590	HAZMAT	D-18
十		+ ::	D001, F002, F003,		12,1000	11.0011	 """ 			 '``	- 19.						
4 V	WASTE ACE/TOLUENE	А	F005, D021, D022,		ENSCO	1419677	INCIN	0	5,157	5,157	5,157	0	0	910	AR1294590	HAZMAT	D-18
T		1	D001, D002, F002,		T		 										
1		1	F003, F005, D021,		1		1			}]		l		1 1		
1 1	NASTE ACE/HCL	Α	D022		ENSCO	1419718	INCIN	o	400	400	400	o	0	917	AR1294591	HAZMAT	D-19
Т			D001, F002, F003,		1		T			T -							
1 V	NASTE ACE/TOLUENE	Α	F005, D021, D022,		ENSCO	1419677	INCIN	0	1,597	1,597	1,597	0	0_	917	AR1294591	HAZMAT	D-19
Γ			D001, F002, F003,				ľ										
_	NASTE ACE/TOLUENE	A	F005, D021, D022,		ENSCO	1419677	INCIN	0	12,416	12,416	12,416	0	0	917		HAZMAT	D-19
٧Į٧	WASTE POH	A	D001	PNBC	ENSCO	1393067	INCIN	0	2,130	2,130	2,130	0	0	917	AR1294591	HAZMAT	D-19
]			D001, D002, D003,			- 									l		D 00
4 1	VASTE ACE/PHCF	A ·	F003	PHCF	ENSCO	155776	INCIN	0	1324	1324	1324	0	0	923	AR1363933	HAZMAT	D-20
ا.	*** OTE 4 OF FOLLIE	1.	D001, F002, F003,		l I		1										5.00
910	VASTE ACE/TOLUENE	_ A_	F005, D021, D022,		ENSCO	1419677	INCIN	0	2942	2942	2942	0	0	923	AR1363933	HAZMAT	D-20
٦/١٨	VASTE ACE/TOLUENE	١.,	D001, F002, F003, F005, D021, D022.		ENGOO	4446077	l l	_	5000	5000	5000			923	AR1363933	HAZMAT	D-20
S V	VASTE ACE/TOLUENE	^	P005, D021, D022,		ENSCO	1419677	INCIN	0	5080	5080	5080	0	0	923	AR 1303933	TAZIVIA I	
+			· · · · · · · · · · · · · · · · · · ·	<u></u>													The state of a part of a part of the state o
1 F	LAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,960	44,700	44,700	44,700	0	0	785	MI761233	BUFF FUEL	т
	LAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201		6,000	45,000	45,000	45,000	- 6	0	788	MI7612334	BUFF FUEL	T
_	LAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201		5,960	44,700	44,700	44,700	- 0	0	790	MI7612335	BUFF FUEL	т
_	LAM LIQ TOL/MET	Â	D001, F003, F005	FC102	EQ RESOURCE	J51201		6,000	45,000	45,000	45,000	0	0	793	MI7612337	BUFF FUEL	т
	VASTE TOL/METH	A	D001	FC102	EQ RESOURCE	J51201		5,800	43,500	43,500	43,500	ő	0	806	MI7612338	C. HARBORS	т
	VASTE TOL/METH	A	D001	FC102	EQ RESOURCE	J51201		6,000	45,000	45,000	45,000	Ö	0	809	MI7612339	BUFF FUEL	T
_	VASTE TOL/METH	Α	D001, F005, F003	FC102	EQ RESOURC	J51201		6,000	42,600	42,600	42,600		0	831		BUFF FUEL	Т
	VASTE TOL/METH	А	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	0	42,400	42,400	42,400	0	0	833		BUFF FUEL	Т
	VASTE TOL/METH	Α	D001, F003, F005		EQ RESOURC	J51201		5,508	39,107	39,107	39,107	0	0	835		BUFF FUEL	Т
	VASTE TOL/METH	Α	F003, F005, D001	FC102	EQ RESOURC	J51201		6,000	42,600	42,600	42,600	0	0	839		BUFF FUEL	Ţ
	VASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201		5,900	41,890	41,890	41,890	0	0	840		BUFF FUEL	<u>T</u>
_	VASTE TOL/METH		F003, F005, D001		EQ RESOURC	J51201		5,900	41,890	41,890	41,890	0	0	842		BUFF FUEL	Ţ ~
	VASTE TOLIMETH		F003, F005, D001	FC102	EQ RESOURC	J51201		6,000	42,600	42,600	42,600	0	0	845		BUFF FUEL	I T
_	VASTE TOL/METH		F003, F005, D001	FC102	EQ RESOURC	J51201		6,000	42,600	42,600	42,600	0	0	846		BUFF FUEL	
_	ASTE TOLIMETH		F003, F005, D001	FC102	EQ RESOURC	J51201		6,000	42,600	42,600	42,600	_ 0	0	848		BUFF FUEL	<u>।</u> т
	/ASTE TOL/METH		F003, F005, D001 D001, F003, F005	FC102	EQ RESOURC	J51201		6,000	42,600	42,600	42,600	0	0	849		BUFF FUEL	। <u>र</u>
	ASTE TOL/METH		D001, F003, F005	FC102 FC102	EQ RESOURC	J51201		2,950	20,945	20,945	20,945	0	0	852		BUFF FUEL BUFF FUEL	i T
	ASTE TOL/METH	A	D001, F003, F005		EQ RESOURC	J51201	INCIN		42,600		42,600	-0	- 0			BUFF FUEL	' T
	ASTE TOLIMETH	A	D001, F003, F005		EQ RESOURC EQ RESOURC	J51201		6,000	42,600 42,600	42,600	42,600	-0 -	0			BUFF FUEL	Т
_	ASTE TOLMETH	A	D001, F003, F005		EQ RESOURC	J51201 J51201		6,000	42,600	42,600	42,600 42,600	-0	0			BUFF FUEL	· T
	ASTE TOLIMETH		D001, F003, F005		EQ RESOURC	J51201 J51201		6,000 5,820	42,600		41,322	-	0			BUFF FUEL	T
	ASTE TODMETH	A	D001, F003, F005		EQ RESOURC	J51201		5,820	41,322		41,322	- 6	- 0			BUFF FUEL	T
	ASTE XYLENE/MET	A	D001		EQ RESOURCE	J51201		5,516	39,164	39,164	39,164	0	-			BUFF FUEL	Т
	ASTE HAZ TOL/DEA		D001, D002, F005		EQ RESOURCE	G47002		4,686	33,271		33,271	- ; 1	0			BUFF FUEL	T
_	ASTE TOL/DEA	A	D001, D002, F005		EQ RESOURCE	G47002		5,600	39,760		39,760	~ ö 				BUFF FUEL	Т
	ASTE TOL/DEA		D001, D002, F006		EQ RESOURCE	G47003		4,769		33,860	33,860	- 6	0			BUFF FUEL	т
	ASTE TOL/DEA		D001, D002, F005		EQ RESOURCE	G47002		5,900	42,480		42,480	0	ő			BUFF FUEL	т
_	ASTE TOL/METH		D001, F003, F005		EQ RESOURCE	J51201	INCIN		42,032		42,032	0	ő			BUFF FUEL	т
W	ASTE TOL/METH		D001, F003, F005		EQ RESOURCE	J51201		5,138		36,480	36,480	0	ō			BUFF FUEL	т
	ASTE TOL/METH	Α	D001, F003, F005		EQ RESOURCE	J51201		5,644	42,072	42,072	42,072	0	0			BUFF FUEL	Ť
W	ASTE TOL/METH	Α	D001, F003, F005		EQ RESOURCE	J51201		5,484	38,936	38,936	38,936	0	0			BUFF FUEL	Т
	ASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN		39,788		39,788	0	0	889	MI7513987	BUFF FUEL	т
	ASTE TOL/METH	Α	D001, F003, F005		EQ RESOURCE	J51201		5,600		39,760	39,760	_ 0_	0	893	MI7513986	BUFF FUEL	Т
_	ASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201		6,228		44,219	44,219	0	0			BUFF FUEL	Т
	ASTE XYL METH	Α	D001		EQ RESOURCE	J51201		4211		31,583	31,583	0	0	908	MI8666866	BUFF FUEL	Т
	ASTE TOLUENE	Α	D001, F005		EQ RESOURCE	J41302		1300	9,386	9,386	9,386	0	0	913	MI7612354	BUFF FUEL	Т
-	ASTE TOLUENE	Α	D001, F005		EQ RESOURCE	J41302	INCIN	5700	41,154	41,154	41,154	Ō	0			BUFF FUEL	Т
	ASTE METHANOL	Α	D001, F003		EQ RESOURCE	L41702		5462	36,898	36,898	36,898					BUFF FUEL	Т
	ASTE TOL/METH	Α	D001, F003, F005		EQ RESOURCE	J51201	INCIN	6300	47,250	47,250	47,250	0	0			BUFF FUEL	Т
	ASTE TOL/METH	Α	D001, D002, F003	FC102	EQ RESOURCE	J51201	INCIN	6000	45,000	45,000	45,000	0	0	920	MI7513983	BUFF FUEL	т

1	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	incin WT Ibs	WW WT Ibs	RCY RCV lbs	MFST DOC NUM	STATE MFST NUM	HAULER	Tanker/Drum
-11	VASTE ETHANOL/MET	A	D001, F003	FC102	NORLITE	SAN215919	INCIN	6,002	44,415	44,415	44,415	0	0	810	NYG3204351	BUFF FUEL	т
_	VASTE ETHANOL/MET	A	D001, P003	FC102	NORLITE	SAN215919 SAN215944	INCIN	6,002	47,540	47,540	47,540	0	0	812	NYG3204331	BUFF FUEL	T
	VASTE ETHANOL/MET	A	D001	FC102	NORLITE	SAN215956	INCIN			47,540	47,540	0	l ő	813	NYG3204387	BUFF FUEL	T
_	VASTE ETHANOL/MET	Â	D001	FC102	NORLITE	SAN215978	INCIN	6,000	45,000	45,000	45,000	0	0	818	NYG3204396	BUFF FUEL	İΤ
7			D001, F002, F003,			57,512,731,72				1							
2 V	ASTE ACE/TOLUENE	A	F005, D021, D022,	HEGCL	NORLITE	SAN215982	INCIN	0	931	931	931	0	0	819	NYG3318606	UNITED IND	D-5
_		· · · · · ·	D001, F002, F003,			****									····		
43 V	ASTE ACE/TOLUENE	A	F005, D021, D022,	HEGCL	NORLITE	SAN215982	INCIN	0	17,203	17,203	17,203	0	0	819	NYG3318606	UNITED IND	D-5
1 V	ASTE ETHANOL/MET	Α	D001	FC102	NORLITE	SAN215903	INCIN	4,321	30,679	30,679	30,679	0	0	822	NYG3204405	BUFF FUEL	τ
Т			D001, F002,F003,														
2 V	ASTE ACE/TOLUENE	Α	F005, D021, D022	FC102	NORLITE	ST004502	INCIN	0	876	876	876	0	0	836	NYG3318129	UNITED IND	D-8
٦.		١.	D001, F002, F003,		I			_		l	l l	_	_				n o
	ASTE ACE/TOLUENE	A	F005, D021, D022	FC102	NORLITE	ST004502	INCIN	0	3,964	3,964	3,964	0	0	836	NYG3318129	UNITED IND	D-8
110	ASTE DMF	A	D001	ACL	NORLITE	SAN216123	INCIN	2,944	23,520	23,520	23,520	- 0	0	844	NYG3317778	BUFF FUEL	•
يا.	ACTE ACECOLUENE	ا ا	D001, F002, F003,	HECOL	MODULE	DTDD 4F00	"HOIL		4 00 4	4 004	4 00 4	_	ایا	050	NVCCCATATA	CAUTED IND	D 40
- 3 V	ASTE ACE/TOLUENE	_ <u>A</u>	F005, D021, D022, D001, F002, F003,	HEGCL	NORLITE	ST004502	INCIN	0	1,334	1,334	1,334	0	0_	858	NYG3317454	UNITED IND	D-10
57 lu	ASTE ACE/TOLUENE	A	F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	0	21,226	21,226	21,226	0	o	858	NYG3317454	UNITED IND	D-10
	ASTE ETHANOL/MET	A	D001, D022,	FC102	NORLITE	0209-01	INCIN	6,300	45,940	45,940	45,940	0	0		NYG3204342	BUFF FUEL	T
_	ASTE ETHANOL/MET	A	D001	FC102	NORLITE	0209-01	INCIN	0,300	21,140	21,140	21,140	0	0		NYG3319065	BUFF FUEL	т
	ASTE TOL/METH	A		HEGCL	NORLITE	0148-02	INCIN		39,938	39,938	39,938	0	0		NYG1944504	BUFF FUEL	T
+			D001, F002, F003,			2,		5,525		55,555	- 55,555		 	~/ L			•
2 v	ASTE ACE/TOLUENE	A	F005, D021, D022,	HEGCL	NORLITE	ST-0045-02	INCIN	0	893	893	893	0	0	879	NYG3545505	UNITED IND	D-13
+			D001, F002, F003,							<u> </u>							
89 W	ASTE ACE/TOLUENE	Α	F005, D021, D022,	HEGCL	NORLITE	ST-0045-02	INCIN	0	36,128	36,128	36,128	0	0	879	NYG3545505	UNITED IND	D-13
	ASTE DEA/TOL	Α	D001, F003, F005	HEGCL	NORLITE	ST023302	INCIN	2,054		16,540		0	0		NYG3544641	BUFF FUEL	T
						A. A.		·					<u> </u>	144		<u>r rogani i s</u>	Balling the first of the second of the secon
┸																	
-19	RAND TOTAL A MASTE	<u> </u>							1,078.71		1,078.71						
- 1/4	ASTE DIOXANE		11100 0001	Pilot Lab	CHARRON	011447700	INIONI		1.007	4.007	4.007	<u> </u>		704	MDCoentega	C HARBORS	n a
_	ASTE TMTC/TOL	D	U108, D001 F005, D002, D003	TMTC	C HARBOR C HARBOR	CH117739 CH158113	INCIN	- 0	1,097	1,097 2,990	1,097 2,990	0	0	794 797	MDC0895592 MDC0895591		
5 V	ASTE INTOTOL	U	F003, D002, D003	TIVITO	CHARBUR	CHISSIIS	INCIN	0	2,990	2,990	2,990	0			WDC0695591	C. HARBORS	0-2
4															3/7*		272 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 V	ASTE ACI	D	D003	ACL	ENSCO	1393044	INCIN	0	342	342	342	0	- 0	867	AR1294759	HAZMAT	D-11
	ASTE ACL	D	D003	ACL	ENSCO	1393044	INCIN	0	77	77	77	- 0	Ö		AR1294589	HAZMAT	D-17
	ASTE AMIDE CLOR	D	D003	ACL	ENSCO	1393044	INCIN	ő	1,469	1,469	1,469	0	0		AR1294865		D-9
	ASTE BUCL	D	D001, D002, D003	BUCL	ENSCO	1393021	INCIN	ō	121	121	121	0	0		AR1294906		D-6
2 W	ASTE ETHYLAMINE	D	D001, D002		ENSCO	1392534	INCIN	0	736	736	736	0	0		AR1294758	HAZMAT	D-11
1 W	ASTE POH	D	D001	PNBC	ENSCO	1393007	INCIN	0	120	120	120	0	0	905	AR1294589	HAZMAT	D-17
					124	and the free p	57,194										By Line 19 1 Batter of the control of the State of the second
$oldsymbol{\perp}$																	
10	THE TOTAL STREET								3,48		3.49						
↲	TOTE OUR OF		Desc	_ ,	0.0000000000000000000000000000000000000					ليبا					NV00045555	EDEELIC: S	D 4
	ASTE CHLORINE	E	D002	Lecture Bottles			TREATED		10	10	0	10	0				D-4
	ASTE CYANOGEN ASTE DEA ANHY	E	D001 D001	Lecture Bottles Lecture Bottles		00762-104C	TREATED	0	5	5	0	5 5	0 0			FREEHOLD FREEHOLD	D-4 D-4
_	ASTE DEA ANHY	<u>Е</u>	D001	Lecture Bottles		33762-156C 00762-304C	TREATED	0	5 10	5	- 0	10	0			FREEHOLD	D-4
_	ASTE METH ANHY	E	D002	Lecture Bottles			TREATED		5	10 5	0	5	0				D-4
1144	MOTE METITANITI	G	2001	Facinia Doilles	ORILITAL	00762-333C				E		J					
7					1		, ,	·			F /		151				- The Control of th
2 0	ILORINE	E	D002	Lecture Bottles	SET ENVIR	ERG124	TREATED	0	10	10	0	0	10	912	02623145	HAZMAT	D-18
	ASTE DEA	Ē	D001	Lecture Bottles		ERG118	INCIN	- 6 1	5	5	5	ő	- 6		02623144	HAZMAT	D-18
	ASTE ETHYLAMINE	Ē	D001	Lecture Bottles		ERG118	INCIN	ő	5	5	5	ō	0	911	02623144	HAZMAT	D-18
	ASTE ETHYLENE	E	D001	Lecture Bottles		ERG119	INCIN	0	10	10	10	0	Ö				D-18
2 W	TO TE ETITIEETIE	Ē	D001	Lecture Bottles		ERG116	INCIN	0	5	5	5	0	0			HAZMAT	D-18
_	ASTE VINYL CL		10.00	11 122	2 - 2 - 2	17 -87 46 46 46	18 8 W. 1	er Bereit	4.55		· 14.6	<u> </u>	. (4)	W. 100	Committee Committee	elia (<u> </u>	PROCESSOR OF THE TRANSPORT OF THE PROCESSOR OF THE PROCES
_																	
1 W	ASTE VINYL CL										0.01	0.02	0.01				
1 W									5.04		0.01						
1 W	ASTE VINYL CL																
1 W	ASTE VINYL CL WID TOTAL EWISTE ASTE BUT/ POH	F	D001, D002	BUCL	C HARBOR	CH156189	INCIN	0	835	835	835	0	0	794	MDC0895592		
1 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB	F		BUCL PTSI	C HARBOR	CH154636	INCIN	0	835 1,500	1,500	835 1,500	0	0	794	MDC0895592	C. HARBORS	D-2
1 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE NITRILES	F F	D001, D002	PTSI	C HARBOR C HARBOR	CH154636 CH156112	INCIN	0	835 1,500 121	1,500 121	835 1,500 121	0	0	794 796	MDC0895592 MDC0895594	C. HARBORS C. HARBORS	D-2 D-2
1 W 2 W 3 W 2 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE NITRILES ASTE PNBC	F F F	D001, D002 D001, D021	PTSI	C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168	INCIN INCIN INCIN	0	835 1,500 121 900	1,500 121 900	835 1,500 121 900	0 0 0	0 0 0	794 796 796	MDC0895592 MDC0895594 MDC0895594	C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2
1 W 2 W 3 W 2 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE NITRILES	F F	D001, D002 D001, D021	PTSI	C HARBOR C HARBOR	CH154636 CH156112	INCIN	0	835 1,500 121	1,500 121	835 1,500 121	0	0	794 796	MDC0895592 MDC0895594	C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2
1 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE NITRILES ASTE POH ASTE POH	F F F	D001, D002 D001, D021 D001 F002, F003, F005,	PTSI PNBC PNBC	C HARBOR C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168 CH183013	INCIN INCIN INCIN INCIN	0 0 0	835 1,500 121 900 3,634	1,500 121 900 3,634	835 1,500 121 900 3,634	0 0 0	0 0 0 0	794 796 796 794	MDC0895592 MDC0895594 MDC0895594 MDC0895592	C. HARBORS C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2 L = LANDFILL D-2
1 W 2 W 3 W 2 W 9 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE NITRILES ASTE PNBC ASTE POH ASTE PTSI	F F F F	D001, D002 D001, D021 D001 F002, F003, F005, D021	PTSI PNBC PNBC PTSI	C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168 CH183013 CH183171	INCIN INCIN INCIN INCIN	0 0 0 0	835 1,500 121 900 3,634 2,807	1,500 121 900 3,634 2,807	835 1,500 121 900 3,634 2,807	0 0 0 0	0 0 0 0	794 796 796 794 799	MDC0895592 MDC0895594 MDC0895594 MDC0895592 MDC0895589	C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 L = LANDFILL D-2 D-2
1 W 2 W 3 W 2 W 9 W 5 W 2 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE MCB ASTE PNBC ASTE PNBC ASTE POH ASTE PTSI ASTE TMTC/TOL	F F F	D001, D002 D001, D021 D001 F002, F003, F005, D021 F005, D002, D003	PTSI PNBC PNBC PTSI TMTC	C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168 CH183013 CH183171 CH158110	INCIN INCIN INCIN INCIN INCIN	0 0 0 0 0 0 0	835 1,500 121 900 3,634 2,807 1,103	1,500 121 900 3,634 2,807 1,103	835 1,500 121 900 3,634 2,807 1,103	0 0 0 0	0 0 0 0	794 796 796 794 799 797	MDC0895592 MDC0895594 MDC0895594 MDC0895592 MDC0895589 MDC0895591	C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2 D-2 D-2 D-2 D-2 B = INCINERATIION
1 W 2 W 3 W 2 W 9 W 5 W 2 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE NITRILES ASTE PNBC ASTE POH ASTE PTSI	F F F F	D001, D002 D001, D021 D001 F002, F003, F005, D021 F005, D002, D003 F005, D002, D003	PTSI PNBC PNBC PTSI	C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168 CH183013 CH183171	INCIN INCIN INCIN INCIN	0 0 0 0	835 1,500 121 900 3,634 2,807	1,500 121 900 3,634 2,807	835 1,500 121 900 3,634 2,807	0 0 0 0	0 0 0 0	794 796 796 794 799	MDC0895592 MDC0895594 MDC0895594 MDC0895592 MDC0895589	C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2 D-2 D-2 D-2 D-2 B = INCINERATIION
2 W 3 W 2 W 2 W 2 W 2 W 2 W 5 W	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE PNBC ASTE PNBC ASTE POH ASTE PTSI ASTE TMTC/TOL ASTE TMTC/TOL	F F F F	D001, D002 D001, D021 D001 F002, F003, F005, D021 F005, D002, D003 F005, D002, D003 D001, F003, F005,	PTSI PNBC PNBC PTSI TMTC TMTC	C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168 CH183013 CH183171 CH158110 CH158118	INCIN INCIN INCIN INCIN INCIN INCIN INCIN INCIN	0 0 0 0 0 0 0	835 1,500 121 900 3,634 2,807 1,103 4,392	1,500 121 900 3,634 2,807 1,103 4,392	835 1,500 121 900 3,634 2,807 1,103 4,392	0 0 0 0	0 0 0 0 0	794 796 796 794 799 797 797	MDC0895592 MDC0895594 MDC0895594 MDC0895592 MDC0895592 MDC0895591 MDC0895591	C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2 L = LANDFILL D-2 D-2 D-2 D-2 D-2 D-2 D-2
1 W 2 W 3 W 2 W 5 W 2 W 1 W 1 W 1 W 1	ASTE VINYL CL ASTE BUT/ POH ASTE MCB ASTE MCB ASTE PNBC ASTE PNBC ASTE POH ASTE PTSI ASTE TMTC/TOL	F F F F	D001, D002 D001, D021 D001 F002, F003, F005, D021 F005, D002, D003 F005, D002, D003	PTSI PNBC PNBC PTSI TMTC	C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR C HARBOR	CH154636 CH156112 CH183168 CH183013 CH183171 CH158110	INCIN INCIN INCIN INCIN INCIN	0 0 0 0 0 0 0	835 1,500 121 900 3,634 2,807 1,103	1,500 121 900 3,634 2,807 1,103	835 1,500 121 900 3,634 2,807 1,103	0 0 0 0	0 0 0 0	794 796 796 794 799 797	MDC0895592 MDC0895594 MDC0895594 MDC0895592 MDC0895589 MDC0895591	C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS C. HARBORS	D-2 D-2 D-2 D-2 D-2 D-2 D-2 D-2 D-2 D-2

T	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD		DISP	HAZ WT	INCIN	WW	RCY RCV	MFST	STATE MFST	HAULER	Tanker/Drum
1.		<u> </u>	Bass 8001	WASTE		CODE		gais	lbs	lbs	lbs	ibs	ibs	NUM	NUM	DUES SUS	
	VASTE LIQUID	F	D003, D021		ENSCO	1408339	INCIN	0	2,800	2,800	2,800	0	1 0	890	AR1294647		D-14
_	VASTE LIQUID	F	D003, D021 D003, F005	TUTO	ENSCO	1408339	INCIN	0	538	538	538	0	0	891	AR1294648	BUFF FUEL	D-14 T = TREATED
	VASTE TMTC VASTE TMTC	 F -	D003, F005	TMTC	ENSCO ENSCO	1393020 1393020	INCIN	0	2,665 400	2,665 400	2,665 400	0	0	824 850	AR1294906 AR1294865	FREEHOLD HAZMAT	D-6 T = TREATED
_	VASTE TMTC	+ -	D003, F005	TMTC	ENSCO	1393020	INCIN	0	2,849	2,849	2,849	0	0	905	AR1294589	HAZMAT	D-17
	VASTE TMTC	F	D003, F005	TMTC	ENSCO	1393020	INCIN	0	1,100	1,100	1,100	1 0	0	917	AR1294591	HAZMAT	D-19
	VASTE TOL/ACI	F	D001, D003, F005	ACL	ENSCO	1392551	INCIN	0	2,040	2,040	2,040	1 0	0	866	AR1294758	HAZMAT	D-11 S = STORAGE
_	VASTE TOL/ACI	F	D001, D003, F005	ACL	ENSCO	1392551	INCIN	Ö	3,770	3,770	3,770	1 0	0	910	AR1294590	HAZMAT	D-18
_	VASTE TOL/ACI	F	D001, D003, F005	1.02	ENSCO	1392551	INCIN	0	2,871	2,871	2,871	0	<u> </u>	917	AR1294591	HAZMAT	D-19
	VASTE TOL/ACI	F	D001, D003, F005		ENSCO	1392551	INCIN	0	543	543	543	0	0	924	AR1363934		D-20
Γ														(A)			
	RAND TOTAL F WASTE								17.97		17.97						
	LAM LIQ TOL/MET	1	D001, F003, F005	FC102	ELDUPONT	OW11243	wwt	4,901	49,014	49,014		49,014	0	787	NJA4087198	BUFF FUEL	Т
	LAM LIQ TOL/MET	T. I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	6,000	49,180	49,180		49,180	D	789	NJA4087199	BUFF FUEL	T
FL	LAM LIQ TOL/MET		D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5,200	43,368	43,368		43,368	0	792	NJA4087200	BUFF FUEL] T
	VASTE TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5,888	44,160	44,160		44,160	0	808	NJA4087201	BUFF FUEL]T
_	VASTE TOL/METH		D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	5,855	48,011	48,011	\Box	48,011	0	827	NJA4087203	BUFF FUEL] T
	VASTE TOL/METH	1	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	5,740	47,068	47,068		47,068	0	828	NJA4087202	BUFF FUEL	 T
_	VASTE TOL/METH	1	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	4,860	39,852	39,852		39,852	0	834	NJA4087206	BUFF FUEL	<u>I</u> T
	VASTE TOL/METH		F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	5,824	47,757	47,757		47,757	0	838	NJA4087205	BUFF FUEL	Ľ
	VASTE TOL/METH	!	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	5,485	44,977	44,977		44,977	0	841		BUFF FUEL	Ľ
	VASTE TOL/METH		F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	5,485	44,977	44,977	<u> </u>	44,977	0	843	NJA4087179	BUFF FUEL	<u>[</u> T
-	VASTE TOL/METH	 	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5,300	43,460	43,460		43,460	0	857	NJA4087204	BUFF FUEL	<u>[-</u>
	VASTE TOL/METH		D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	3,944	32,341	32,341		32,341	0	864		BUFF FUEL	T
_	VASTE TOL/METH	 	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT.	4,800	34,080	34,080	ļ	34,080	0	885		BUFF FUEL	
	VASTE TOL/METH	<u> </u>	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	4,400	31,240	31,240	ļ	31,240	0	894		BUFF FUEL	1
	VASTE TOL/METH	- 	F005, F003	FC102	EI DUPONT	OW11243	WWT	2,400	17,414	17,414	ł	17,414	0	901	NJA4087184	BUFF FUEL	
_	ASTE TOL/METH		D001, D002, F003	FC102	EI DUPONT	OW11243	WWT	5570	40,415	_	ł	40,415	0	921	NJA4087186	BUFF FUEL	
	ASTE TOL/METH		D001, D002, F003	FC102	EI DUPONT	OW11243	WWT	3250	23,581	23,581		23,581	0	922	NJA4087187	BUFF FUEL	<u>T</u>
R	OTAL SITES	İ				<u> </u>			340,45			340.45					<u> </u>
					<u> </u>												
			F002, F003, F005,		ļ												
W	ASTE HAZ SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	5,809	5,809	5,809	0	0	824	AR1294906	FREEHOLD	D-6
			F002, F003, F005,		ľ												
W	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	7,492	7,492	7,492	0	0	850	AR1294865	HAZMAT	D-9
			F002, F003, F005,														
W	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	5,524	5,524	5,524	0	0	866	AR1294758	HAZMAT	D-11
	l l	1	F002, F003, F005,														
W	/ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	8,194	8,194	8,194	0	0	890	AR1294647	BUFF FUEL	D-14
			F002, F003, F005,														
W	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	100	100	100	0	0	899	AR1294807	HAZMAT	D-16
			F003, F003, F005,	 .												.	
W	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	5,392	5,392	5,392	0	0	905	AR1294589	HAZMAT	D-17
			F002, F003, F005,	 .			l l					1	i .				
W	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	1,803	1,803	1,803	0	0	910	AR1294590	HAZMAT	D-18
	METE BOLUB		F002, F003, F005,	P.I	FNDOC		,,,,,,,	_ [۱ ـ		*D400 :==:		D 40
٧V	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	5,996	5,996	5,996	0	0	917	AR1294591	HAZMAT	D-19
	MOTE COLUD		F002, F003, F005,	bl. i	LENGO	1077.177	["]	ایا		ا ممد ا		l -	ا ۔	000	AD4000555		D 00
W	ASTE SOLID	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	6004	6004	6004	0	0	923	AR1363933	HAZMAT	D-20
١٨٠.	METE BOLID CARROLL		F002, F003, F005,	Dlant	ENOCO	4070470	,,,,,,,,	ا يا	44.005	المممدا	44.000		١ ,	070	AD1004744	LIAZAAAT	D 12
	ASTE SOLID CARBON	J	D021, D022	Plant	ENSCO	1378178	INCIN	0	14,885	14,885		0	0	873	AR1294741	HAZMAT	D-12
10	/INC # ONTE 1	ļ					 		30.60		30.60	ļ					
W	ASTE CARBON UNIT	К	F002	HEGCL	CALGON	CAN2542R	RECYC	0	4,000	4,000	0	0	4,000	876	PAG312150	HAZMAT	C-11
	ASTE SOLID	K	F002		CALGON	CAN2542R CAN2542R			2,000	2,000	-	- 0	2,000	807	PAG312142		C-4
Í			1 332	\$2840.2 A A	1 1 2 3 N	CANZ54ZR	1,2010		2,000	2,000	100			307		1 2 Z IAIVA	THE PLEASE OF THE PROPERTY OF
				14	3,4 4						yr i r				4.		
	DLID CARBON UNITS	V	F002, F005		ENVIROTROL		DECVO	,	C PED	6 050			6 050				
	OLID CARBON UNITS	K	F002, F005 F002, F005	Plant Effluent	ENVIROTROL	ERG171	RECYC	0	6,858	6,858	0	0	6,858	881 701		AUTUMN IND AUTUMN IND	
							RECYC	0	35,000	35,000	0	0	35,000	791			
	OLID CARBON UNITS	K K	F002, F005	Effluent Filters			RECYC	0	22,500	22,500	0	0	22,500	823		AUTUMN IND	
3	OLID CARBON UNITS	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	12,220	12,220	0	0	12,220	862		AUTUMN IND	
	OLID CARBON UNITS ASTE CARBON UNIT	K	F002, F005		ENVIROTROL		RECYC	0	10,426	10,426	0	0_	10,426	870		AUTUMN IND	
SO		K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	22,000	22,000	0	0	22,000	801	PAG312141	AUTUMN IND	
30 N/			F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	28,980	28,980	0	0	28,980	802	PAG312151	AUTUMN IND	U-3
SO N/ N/	ASTE CARBON UNIT	K															A F
N/ N/ N/	ASTE CARBON UNIT	K	F002, F005	Plant	ENVIROTROL		RECYC	0	7,140	7,140	0	0	7,140	811		AUTUMN IND	
NA NA NA	ASTE CARBON UNIT ASTE CARBON UNIT ASTE CARBON UNIT	K	F002, F005 F002, F005	Plant Plant Effluent	ENVIROTROL ENVIROTROL		RECYC	0	11,080	11,080	2,770	0	8,310	830	PAG312145	AUTUMN IND	C-7
NA NA NA	ASTE CARBON UNIT ASTE CARBON UNIT ASTE CARBON UNIT ASTE CARBON UNIT	K K	F002, F005 F002, F005 F002, F005	Plant Plant Effluent Plant Effluent	ENVIROTROL ENVIROTROL ENVIROTROL		RECYC RECYC	0	11,080 12,340	11,080 12,340	2,770 3,085	0	8,310 9,255	830 847	PAG312145 PAG312146	AUTUMN IND AUTUMN IND	C-7 C-8
	ASTE CARBON UNIT ASTE CARBON UNIT ASTE CARBON UNIT	K	F002, F005 F002, F005	Plant Plant Effluent Plant Effluent Plant Effluent	ENVIROTROL ENVIROTROL	16160 ERG 171	RECYC	0	11,080	11,080	2,770	0	8,310	830 847 909	PAG312145 PAG312146 PAG366339	AUTUMN IND	C-7 C-8 C-16

7	WASTE	HAZI	EPA	PROCESS		· · · · · · · · · · · · · · · · · · ·	DISP	DISP	DISP	HAZ	INCIN	l ww	RCY	MFST	STATE	I .	Tanker/Drum
m	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD		WT lbs	WT	WT	WT	RCV lbs	DOC	MFST NUM	HAULER	
	WASTE SPENT CARBON	К	F002, F005	Plant Effluent			RECYC	0	3,000	3,000	0	0	3,000	883		AUTUMN IND	
_5 V	WASTE SPENT CARBON	K	F002, F005	Plant Effluent	ENVIROTROL	1 44 51 14	RECYC	0	2,875	2,875	0	0	2,875	883	PAG366324	AUTUMN IND	JO-13
Π,	(3)(()()()()()()()()()()()()(466			<u> </u>	106				
Ť	SPAND TOTAL K				<u> </u>				108		3	 -	100				
1	MARTEHOL	L	D002		ENSCO	1328156	INCIN	0	0.20	0.20	0.20	0	0	905	AR1294589	HAZMAT	D-17
4 V	WASTE ACE/METH	М	F002, F003, F005, D021, D022	FC102	C HARBOR	CH124262	INCIN	0	829	829	829	0	0	798	MDC0895590	C. HARBORS	D-2
4 V	WASTE ACETONE	М	F002, F003, F005, D001	Plant	C HARBOR	CH183167	INCIN	o	1,129	1,129	1,129	0	0	798	MDC0895590	C. HARBORS	D-2
ار	WASTE BCF METH	м	F002, F003, F005, D001, D021, D022	BCF	C HARBOR	CH124265	INCIN	0	399	399	399	0	0	795	MDC0895593	C. HARBORS	D-2
	WASTE MCB DEA	M	D001, D021	PNBC	C HARBOR	CH147725	INCIN	0	199	199	199	Ö	Ö	796	MDC0895594		
зν	WASTE ACE/METH	М	F002, F003, F005, D021, D022	FC102	C HARBORS	CH124262	INCIN	0	938	938	938	0	0	804	MDC0895645	C. HARBORS	D-3
зν	WASTE ACETONE	М	F002, F003, F005, D001	Plant	C HARBORS	CH183167	INCIN	٥	845	845	845	0	0	805	MDC0895646		
T												Í					
2 V	WASTE LIQUID	М	F002, F003, F005, D021		ENSCO	1398655	INCIN	0	5,811	5,811	5,811	0	0	905	AR1294589	HAZMAT	D-17
1 V	NASTE LIQUID	М	F002, F003, F005, D021		ENSCO	1398655	INCIN	0	524	524	524	0	0	917	AR1294591	HAZMAT	D-19
<u>1</u> v	NASTE LIQUID	М	F002, F003, F005, D021		ENSCO	1408337	INCIN	0	386	386	386	0	0	905	AR1294589	HAZMAT	D-17
1 V	WASTE LIQUID	М	F002, F003, F005, D021		ENSCO	1408337	INCIN	0	457	457	457	0	0	890	AR1294647		D-14
	NASTE XY 345TMBCL NASTE XYL/TMBCL		D001, D002, F003 D001, D002, F003		ENSCO ENSCO	1419663 1419663	INCIN	0	1,030 3,970	1,030 3,970	1,030 3,970	0	0		AR1294589 AR1294591		D-17 D-19
Ŧ						77,	111		7				, ,		·····································	ξ.	
ē	STAND TOTAL W								8.26		8.25						
	WASTE LIGHTED BLUDGE	0	F002, F003, F005, D021	Plant Effluent	FNOOO	Annorr	INOIN	0	18,742	49.740	18,742	0	,	873	AR1294741	HAZMAT	ID-12
7 V	NASTE LIQUID SLUDGE NASTE SLUDGE	0	F002, F003, F005			1398655 1398655	INCIN	0	40,625	18,742 40,625	40,625	0	0		AR1294598	HAZMAT	Т
	ACCEPTANCE OF					,			33.60		29.64		1.7 .				
İ				\$	*			J- 1	Contraction of the Contraction o					1) 1			The state of the s
1 v	VASTE CAUSTIC		D002	PHCF	ENSCO	1393023	INCIN	0	4,983	4,983	4,983	0	0	824	AR1294906	FREEHOLD	D-6
6 V	VASTE NAOH	Р	D002		ENSCO	1393023	INCIN	0	2,682	2,682	2,682	0	0	917	AR1294591	HAZMAT	D-19
	VASTE SODIUM HYD VASTE MET/SOD HYD	P	D002 D001, D002, F003	Plant Effluent	ENSCO ENSCO	1393023 1434042	INCIN	0	3,022 1244	3,022 1244	3,022 1244	0	0				D-11 D-20
9	ASTE METIODS ITTO	•	5001, 5002, 1 000		ENOCO	1404042	INCIN		1277	12-1-	12-1-1			\$1. 16	***		CONTRACTOR CONTRACTOR
10	RAND YORK P					<u> </u>			6.48		6.48						L = LANDFILL
I																	
₽.	ACILITY TOTAL								1,624.17		1,178.32	340.47	105.39				
1																	B = INCINERATION
╁		-															
I																	
╀																	T = TREATED
士																	R = RECYCLE
T																	S = STORAGE
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP	DISP VOL gais	WT	HAZ WT Ibs	INCIN WT Ibs	WW WT lbs	RCY RCV Ibs	MFST DOC NUM	STATE MFST NUM	HAULER
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YIC	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	DISP VOL gais	DISP WT lbs	HAZ WT lbs	INCIN WT Ibs	WW WT lbs	RCY RCV Ibs	MFST DOC NUM	STATE MFST NUM	HAULER
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QTY	WASTE DESCRIPTION	WST	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT Ibs	HAZ WT Ibs
1	WASTE FLAM LIQUID	Α	D001, D002, F003		ENSCO	1419663	INCIN	14-Mar-03	2,000	2,000
	WASTE LIQUID	Ä	F002		ENSCO	1434023	INCIN	14-Mar-03	3,000	3.000
	2-PROPANOL	Α	D001, F002, F003		ENSCO	1434024	INCIN	14-Mar-03	3,500	3,500
	TOL/TMTC	Α	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	5-May-03	500	500
1	TOL/DEA	Α	D001, F005	HEGCI	ENSCO	1328204	INCIN	2-Dec-03	250	250
4	WASTE LIQUID	Α	F002		ENSCO	1434023	INCIN	2-Dec-03	100	100
	HAZ WASTE LIQUID	Α	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	2,700	2,700
	TOTAL	Α			ENSCO		INCIN		12,050	
	WASTE THF/MTBE	A	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	3-Jan-03	44,118	44,118
40	WASTE THE/MTBE	Α	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	10-Jan-03	44,223	44,223
3	THF/MTBE	A	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	14-Jan-03	38,260	38,260
1	XYLENE/METH	Α	D001, F003, F005	TMBCI	EQ RESOURCE	J51201	INCIN	29-Jan-03	42,660	42,660
	TOL/METH	Α	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	3-Feb-03	38,880	38,880
13	XYLENE/TMBCL	Α	D001, F003, F005, D002		EQ RESOURCE	A52103OTS	INCIN	3-Feb-03	21,000	21,000
-	TOL/METH	Α	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	5-Feb-03	43,680	43,680
	TOLMETH	Α	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	10-Feb-03	44,140	44,140
1.	XYLENE/TMBCL	Α	D001, F003, F005, D002	TMBCL	EQ RESOURCE	13556	INCIN	10-Feb-03	26,300	26,300
	TOL/METH	Α	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	19-Feb-03	43,740	43,740
	TOL/METH	Α	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	21-Feb-03	44,040	44,040
	TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	3-Mar-03	42,180	42,180
	TOL/METH	Α	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5-Mar-03	44,000	44,000
	TOL/METH	Α	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	10-Mar-03	45,440	45,440
	THF/HEPTANE	Α	D001		EQ RESOURCE	L55102	INCIN	25-Mar-03	44,040	44,040
3	THF/HEPTANE	Α	D001		EQ RESOURCE	L55102	INCIN	27-Mar-03	41,140	41,140
	THF/MTBE	Α	D001		EQ RESOURCES	14632	INCIN	4-Apr-03	43,540	43,540
	THF/MTBE	A	10001	Z -valine NCA	EQ RESOURCES	L55102	INCIN	9-Apr-03	42,497	42,497
	TOTAL	Α			EQ RESOURCES		INCIN		733,878	
1	WASTE NN DMF	A	D001	ACL	NORLITE	ST010202	INCIN	7-Jan-03	15,460	15,460
-	TOLMETH	A	D001, F003, F005	FC102	NORLITE	0209-01	INCIN	13-Mar-03	41,640	41,640
	PROPANOL	A	D001, F002	, - 102	NORLITE	ST010503	INCIN	21-Apr-03	300	300
	WASTE LIQUID	A	F002		NORLITE	ST010603	INCIN	21-Apr-03	600	600
	THF/MTBE	Α	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	21-Apr-03	42,760	42,760
1	THF/MTBE	Α	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Apr-03	42,740	42,740
1	THF/MTBE	Α	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	41,140	41,140
1	THF/MTBE	Α	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	30-Apr-03	46,860	46,860
	DMF	Α	D001	ACL	NORLITE	ST010202	INCIN	5-May-03	17,240	17,240
1	THF/MTBE	Α	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	14-May-03	48,433	48,433
1	THF/MTBE	Α	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	19-May-03	39,210	39,210

Page 1 of 9

WASTE WST EPA PROCESS DISP SHIP DISP HAZ QTY DESCRIPTION CAT CODES GEN TSDF **APPROVAL METHOD** DATE WT WT WASTE CODE lbs lbs D001 1 THF/MTBE Z-Valine NCA NORLITE ST010903 INCIN 21-May-03 45.092 45,092 Α D001, F005 ACL NORLITE ST014802 INCIN 16-Jun-03 1 TOL/DMF A 44,700 44,700 HEGCI D001, F005 NORLITE ST014802 INCIN 20-Jun-03 44,280 44,280 1 TOL/DEA A D001, F005 HEGCI 25-Jun-03 1 TOL/DEA NORLITE ST014802 INCIN 43.760 43,760 Α 1 TOL/DEA D001, F005 HEGCI NORLITE ST014802 INCIN 30-Jun-03 42.190 42,190 Α D001, F005 HEGCI NORLITE 1 TOL/DEA Α ST014802 INCIN 3-Jul-03 27,140 27,140 A D001, F002, D021, F003 NDI NORLITE 1 DCB/HEPTANE ST021803 INCIN 29-Jul-03 35.200 35.200 A D001, F002, D021, F003 NDI 1 DCB/HEPTANE NORLITE 30-Jul-03 31,940 31.940 ST021803 INCIN D001 ACL NORLITE ST025003 INCIN 29-Aug-03 27.000 1 DMF/HEPTANE Α 27.000 D001, F002, F003, D021, F005 NDI 1 MCB/DMF NORLITE ST021803 INCIN 3-Sep-03 38.540 38.540 Α D01, F002, F003, D021 NDI 1 MCB/DMF A NORLITE ST021803 INCIN 4-Sep-03 3.393 3.393 D001, F003, F005 NDI NORLITE ST023302 INCIN 16-Sep-03 39,820 39,820 1 DMF/TOL A D001, F005, F003 NDI 1 TOL/METH Α NORLITE ST028503 INCIN 18-Sep-03 44,940 44,940 NDI 1 DCB/HEPTANE D001, F002, D021, F005 NORLITE ST021803 INCIN 18-Sep-03 350 350 Α F002 1 WASTE LIQUID NORLITE ST010603 INCIN 18-Sep-03 300 300 Α D001 ACL 1DMF A NORLITE ST010202 INCIN 18-Sep-03 1,200 1,200 1 DCB/HEPTANE Α D001, F002, D021, F005 NDI NORLITE ST021803 INCIN 18-Sep-03 600 600 1 PROPANOL D001, F002 NORLITE 18-Sep-03 300 À ST010503 INCIN 300 D001, F003, F005 1 MET/TOL Α FC 102 NORLITE ST028503 INCIN 22-Sep-03 19,620 19,620 D001, F003, F005 FC-102E/ACL NORLITE 15-Oct-03 41,920 ST028503 INCIN 41,920 1 MET/TOL À 1 MET/TOL D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 21-Oct-03 37.020 37.020 Α D001, F003, F005 FC-102E/ACL NORLITE 23-Oct-03 39,280 1 MET/TOL Α ST028503 INCIN 39,280 D001, F003, F005 FC-102E/ACL NORLITE 1 MET/TOL A ST028503 INCIN 24-Oct-03 41,480 41,480 D001, F003, F005 FC-102E/ACL NORLITE ST028503 27-Oct-03 1 MET/TOL A INCIN 46.580 46.580 D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 29-Oct-03 MET/TOL Α 40,860 40,860 D001, F003, F005 FC-102E/ACL MET/TOL Α NORLITE ST028503 INCIN 3-Nov-03 43,020 43,020 D001, F003, F005 FC-102E/ACL 1 MET/TOL NORLITE ST028503 INCIN 5-Nov-03 43,340 43,340 Α D001, F003, F005 FC-102E/ACL 1 MET/TOL Α NORLITE ST028503 INCIN 2-Nov-03 43.005 43,005 D001, F003, F005 FC-102E/ACL NORLITE INCIN 3-Nov-03 41,760 1 MET/TOL ST028503 41,760 Α 1 MET/TOL Α D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 4-Nov-03 46,180 46,180 1 MET/TOL D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 10-Nov-03 41,460 41,460 A D001, F003, F005 FC-102E/ACL 1 MET/TOL NORLITE ST028503 INCIN 12-Nov-03 43,060 43,060 Α D001, F003, F005 FC-102E/ACL 1 MET/TOL NORLITE ST028503 INCIN 14-Nov-03 44,600 44,600 Α 1 MET/TOL D001, F003, F005 FC-102E NORLITE ST028503 INCIN 17-Nov-03 46,680 46,680 Α D001, F003, F005 FC-102E NORLITE ST028503 INCIN 21-Nov-03 44,900 1 MET/TOL Α 44,900 D001, F003, F005 FC-102E NORLITE ST028503 INCIN 25-Nov-03 44.840 44,840 1 MET/TOL Α D001, F003, F005 FC-102E 45,640 NORLITE ST028503 INCIN 1-Dec-03 45,640 1 MET/TOL Α 1 ODCB/HEPTANE D001 NDI NORLITE ST021803 INCIN 2-Dec-03 2.100 2.100 Α D001, F003, F005 FC-102E 1 MET/TOL Α NORLITE ST028503 INCIN 18-Dec-03 44,340 44,340 D001, F003, F005 FC-102E 1 MET/TOL Α NORLITE ST028503 INCIN 22-Dec-03 43,119 43,119

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2003 HAZARDOUS WASTE REPORT WORKSHEET

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INCIN 23-Dec-03

L = LANDFILL	
B = INCINERATION	
T = TREATED	
R = RECYCLE	

- 1	WASTE	WST	EPA	PROCESS			DISP	SHIP	DISP	HAZ
QTY	DESCRIPTION	CAT	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	WT	WT
				WASTE		CODE			lbs	lbs
-	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	1,200	1,200
	MCB/HEPTANE	T A	D001, F002, D021, F005		NORLITE	ST021803	INCIN	23-Dec-03	4,500	4,500
	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	300	300
	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	46,220	46,22
	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	45,360	45,36
	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	46.653	46.65
	TOTAL	A	2001,1000,1000		NORLITE	01020000	INCIN	01-DCC-00	1,848,465	40,00
1	NMETH2PYRO/ACE	Α	F002, F003, F005, D021		MARISOL INC	17144-20196-1	RECYC	14-Mar-03	7,250	7,250
2	PHENOL SOL	D	U188		ENSCO	1434066	INCIN	29-Jan-03	900	900
1	THIONYL CL	D	D002, D003		ENSCO	1434068	INCIN	29-Jan-03	300	300
1	BCF	D	D002, D003	BCF	ENSCO	1434004	INCIN	29-Jan-03	300	300
1	BCF	D	D002, D003	BCF	ENSCO	1434004	INCIN	29-Jan-03	300	300
1	MCF	D	D001, D002, D003		ENSCO	1434070	INCIN	14-Mar-03	600	600
	BCF	D	D002, D003	BCF	ENSCO	1434004	INCIN	21-Apr-03	400	400
	IPCF	D	D001, D002, D003		ENSCO	1434116	INCIN	21-Apr-03	74	74
1	TMTC	D	D003, F005	TMTC	ENSCO	1393020	INCIN	18-Jul-03	300	300
	TBI	D	D001, D003		ENSCO	1453219	INCIN	4-Sep-03	1,900	1,900
1	IPCF	D	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	16,200	16,200
1	NBA	D	D001		ENSCO	1453251	INCIN	11-Nov-03	500	500
1	P-NITROPHENOLS	D	U170		ENSCO	1453242	INCIN	11-Nov-03	170	170
1	P-NITROPHENOLS	D	U170		ENSCO	1453242	INCIN	2-Dec-03	100	100
1	TRIETHYLAMINE	D	D001, D002		ENSCO	1453343	INCIN	23-Dec-03	900	900
1	NBI	D	D001, D003		ENSCO	1453334	INCIN	23-Dec-03	1,200	1,200
	TOTAL	D			ENSCO		INCIN		24,144	
1	BATTERIES	E			ENSCO	1449246	RECYC	24-Sep-03	30	0
	WASTE LAMPS	T E			ENSCO	77.02.10	RECYC	23-Oct-03	400	0
		1								
2	WASTE LIQUID	F	D003, D021	HEGCI	ENSCO	1318824	INCIN	2-Dec-03	500	500
	TOL/TMTC	F	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	2-Dec-03	2,000	2,000
	TOTAL	F	· . · ·		ENSCO		INCIN		2,500	
44	XYLENE		F003	F	CECOS	12472AAC	TREAT	4 Est 02	44.400	44.40/
	XYLENE	+	F003	F	CECOS	12472AAC 12472AAC		4-Feb-03	41,480	41,480
	XYLENE	+ ; -	F003	<u> </u>		12472AAC 12472AAC	TREAT	4-Feb-03 5-Feb-03	40,740	40,740
		 	F003	Z -Valine NCA	CECOS CECOS		TREAT		40,866	40,866
	RQ LIQUID RQ LIQUID	+	F003	Z -Valine NCA	CECOS	12342 12342	TREAT TREAT	21-Mar-03	37,530	37,530
		 	F003	Z -Valine NCA				21-Mar-03	36,104	36,104
	RQ LIQUID RQ LIQUID	 	F003	Z -Valine NCA	CECOS CECOS	12342-AAC 12342-AAC	TREAT TREAT	24-Mar-03 23-Mar-03	39,820 42,900	39,820 42,900
	SCALINGUID I	. 1 1	i. no	L-valid NUA I	1,51,125	12.347-AAL	IRCAL	2.3-IVIAT-U.5 I	47 900 1	42.900

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L = LANDFILL	
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T = TREATED	
R = RECYCLE	
S = STORAGE	

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT Ibs	HAZ WT Ibs
3	RQ LIQUID	+	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	28-Mar-03	42,909	42,909
	WASTE LIQUID	 	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	48,940	48,94
	WASTE LIQUID	Ŧi	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	43,320	43,32
	WASTE LIQUID	1 1	F003	FC-102E	CECOS	12342	TREAT	7-Oct-03	21,017	21,01
$\overline{}$	SOD HYD/SOD CL	1	D002, F002, F005	FC-102E	CECOS	12342-AAE	TREAT	16-Oct-03	44,683	44,68
1	SOD HYD/SOD CL		D002, F002, F005	FC-102E	CECOS	12342AAE	TREAT	17-Oct-03	41,200	41,20
1	SOD HYD/SOD CL	1	D002, F002, F005	FC-102E	CECOS	12342AAE	TREAT	17-Oct-03	39,732	39,73
1	SOD HYD/SOD CL	1	D002, F002, F005	FC-102E	CECOS	12342AAE	TREAT	21-Oct-03	45,036	45,03
	TOTAL	1			CECOS		TREAT		649,237	
1	THF/MTBE	+	D001	Z -Valine	EI DUPONT	OW11243	TREAT	10-Jan-03	39,800	39,80
	THF/MTBE	+ i	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	43,200	43,20
	THF/MTBE	+ $$	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	33,220	33.22
	TOL/METH	1 i	D001, F005, F003	FC 102	EI DUPONT	OW11243	TREAT	28-Jan-03	40,280	40,28
	TOL/METH	i	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	30-Jan-03	42,780	42,78
5	TOL/METH		D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	6-Feb-03	40,080	40,08
	TOL/METH	1	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	7-Feb-03	46,640	46,64
1	TOL/METH	T	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	12-Feb-03	45,580	45,58
1	TOL/METH	1	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	20-Feb-03	47,600	47,60
1	TOL/METH	1	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	21-Feb-03	46,140	46,14
_ 1	TOL/METH	1	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	28-Feb-03	42,340	42,34
1	TOL/METH	1	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	5-Mar-03	43,640	43,64
_	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	7-Mar-03	45,560	45,56
	TOL/METH	- 1	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	11-Mar-03	44,520	44,52
1	THF/MTBE	1	D001, F003, F005	Z-Valine NCA	EI DUPONT	OW11243	TREAT	10-Apr-03	43,420	43,42
	TOTAL	 			EI DUPONT	·	TREAT		644,800	
1	WASTE SOLID	 	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	2,100	2,100
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	3,900	3,900
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	5,250	5,250
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	8,000	8,000
_36	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03	6,500	6,500
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03	5,200	5,200
1	WASTE SOLID	J_	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	9,000	9,000

QTY	WASTE DESCRIPTION	WST	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT Ibs	HAZ WT ibs
								<u></u>		
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	600	600
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Sep-03	18,600	18,600
1	WASTE SOLID	J	D001		ENSCO	1453220	INCIN	4-Sep-03	275	275
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	24-Sep-03	300	300
1	1 WASTE SOLID		F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	11-Nov-03	300	300
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Dec-03	15,200	15,200
1	HAZ WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	23-Dec-03	3,600	3,600
	TOTAL	J			ENSCO		INCIN		78,825	
_	SPENT CARBON	K	F002	HEGCI	CALGON CAR	2542R	RECYC	25-Jun-03	5,000	5,000
1	SPENT CARBON	K	F002	HEGCI	CALGON CAR	CAN2542R	RECYC	1-Jul-03	4,000	4,000
	TOTAL	K			CALGON CAR		RECYC		9,000	
	SPENT CARBON	К	F002, F003, F005	Plant	ENVIROTROL		RECYC	5-Feb-03	12,020	12,020
	SPENT CARBON	l k	F002, F003, F005	Plant	ENVIROTROL		RECYC	12-Feb-03	8,080	8,080
	SPENT CARBON	K	F002, F005, F003	Flant	ENVIROTROL		RECYC	14-Mar-03	11,000	11.000
_	SPENT CARBON	K	F002, F003, F005		ENVIROTROL		RECYC	26-Mar-03	15,000	15,000
	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	10-Apr-03	6,000	6,000
_	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	9-May-03	15,000	15,000
	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	11-Jun-03	11,000	11,000
_	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	17-Jun-03	7,500	7,500
_	SPENT CARBON	K	F002, F003, F005		ENVIROTROL		RECYC	27-Jun-03	5,000	5,000
	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	15-Oct-03	10,000	10,000
	SPENT CARBON	K	D001, F005		ENVIROTROL	BUSPNY-AF	RECYC	15-Oct-03	400	400
	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNYWV	RECYC	16-Dec-03	15,000	15,000
	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	30-Jul-03	9,000	9,000
	SPENT CARBON	K	D001, F005		ENVIROTROL	BUSPNY-AF	RECYC	30-Jul-03	250	250
	SPENT CARBON	К	D001, D021, F002		ENVIROTROL	VDMNY-AF	RECYC	30-Jul-03	286	286
1	SPENT CARBON	К	F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	4-Sep-03	9,000	9,000
1	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	VANCHEMNY		25-Nov-03	10,000	10,000
1	SPENT CARBON	К	D001, F005		ENVIROTROL	VANBUSPNY	RECYC	25-Nov-03	555	555
6	CARBON/TOL	К	H F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	10-Jul-03	10,000	10,000
	CARBON/MCB	К	D001, D021, F002		ENVIROTROL	VDMNY-AF	RECYC	10-Jul-03	365	365
_	CARBON/MTBE	К	D001, F005		ENVIROTROL	BUSPNY-AF	RECYC	10-Jul-03	1,900	1,900
\neg	TOTAL	К			ENVIROTROL				157,356	

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	WASTE	WST	₹	PROCESS			DISP	SHIP	DISP	HAZ
QTY	DESCRIPTION	CAT	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	WT	WT
				WASTE		CODE			lbs	lbs
			D002, F002, F003, F005,	<u> </u>						
2	HCL/TOL		D021, D001		BRIDGEPORT	2258ESTD2L	INCIN	2-Dec-03	2,100	2,100
	THOLITOL TO A TOTAL TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TO A TOTAL TOTAL TOTAL TO A TOTAL TO A TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTA	<u>-</u>			BIGBOLI OIG	2200201022		1 500 00	2,100	2,100
			F002, F003, F005, D021,							·····
4	MCB, HCL	L	D022	Scrubbers	ENSCO	1434112	INCIN	21-Apr-03	13,600	13,600
6	MCB/HCL	L	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	250	250
	TOTAL	L			ENSCO		INCIN		13,850	
			D002, F002, F003, F005,							
7	HCL/TOL	L	D021, D001	Z-Valine NCA	NORLITE	ST021203	INCIN	18-Jul-03	1,000	1,000
		<u> </u>	D000 F000 F000 F005							
04	LIO	١.	D002, F002, F003, F005, D021	Z-Valine NCA	05000	40.470.4.4.0	TOTAT	0 1.4 00	40.440	40.440
21	HCL	L	D002, F002, F003, F005,	Z-Valifie NCA	CECOS	12472AAD	TREAT	8-Jul-03	42,440	42,440
16	HCL	L	D002, F002, F003, F003, D021	Z-Valine NCA	CECOS	12472AAD	TREAT	8-Jul-03	41,780	41,780
-10	TIOL		D002, F002, F003, F005,	L valino (10/1	02000	12412/00	IIILAI	0-001-00	41,700	41,700
2	HCL	L	D021	Z-Valine NCA	CECOS	12472AAD	TREAT	8-Jul-03	13.640	13,640
	TOTAL	Ē			CECOS		TREAT		97,860	1 - 1 - 1 -
					***				•	
1	SODIUM HYDROXIDE	Р	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	10,550	10,550
					•					
			D001, F002, F003, F005,		·					
16	ACE/TOL	М	D021, D022	Cleaning	ENSCO	1419677	INCIN	29-Jan-03	12,000	12,000
	105.50		D001, F002, F003, F005,	0 1 .						
	ACE/TOL	M	D021, D022	Cleaning	ENSCO	1419677	INCIN	29-Jan-03	900	900
	TOL/AQUEOUS AMM TOL/GCPCF	M	D001, F005 D001, F005	Cleaning	ENSCO ENSCO	1434065 1434090	INCIN	29-Jan-03	1,200 500	1,200 500
	ACE/TOL	M	D001, F002, F003	Cleaning	ENSCO	1419677	INCIN	14-Mar-03 14-Mar-03	500	500
	ACE/TOL	M	D001, F002, F003	Cleaning	ENSCO	1419677	INCIN	14-Mar-03	6,500	6,500
- ''	TOTAL	M	5001,1002,7000	Cleaning	ENSCO	1413077	INCIN	17-1VIAI-03	21,600	0,300
	TOTAL	- 111					ntont.		21,000	
			D001, F002, F003, F005,							
1	ACE/TOL	М	D021, D022	Cleaning	NORLITE	ST004501	INCIN	21-Apr-03	900	900
			D001, F002, F003, F005,			* *				
1	ACE/TOL	М	D021, D022	Cleaning	NORLITE	ST004502	INCIN	21-Apr-03	9,900	9,900
			D001, F002, F003, F005,						-	
2	ACE/TOL	М	D021, D022	Cleaning	NORLITE	ST004502	INCIN	21-Арг-03	500	500
			D001, F002, F003, F005,							
1	ACE/TOL	М	D021, D022	Cleaning	NORLITE	ST004502	INCIN	18-Jul-03	12,500	12,500
1			D001, F002, F003, F005,							
- 1	ACE/TOL	M	D021, D022	Cleaning	NORLITE	ST004502	INCIN	18-Jul-03	2,000	2,000

QTY	WASTE DESCRIPTION	CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP	SHIP DATE	DISP WT Ibs	HAZ WT ibs
							ļ			
1	ACE/TOL	М	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	6,000	6,000
1	ACE/TOL	М	D001, F002, F003, D021, D022	Cleaning	NORLITE	ST004502	INCIN	18-Sep-03	1,500	1,500
38	ACE/TOL	М	D001, F002, F003, F005, D021, D022	Cleaning/NDI	NORLITE	ST004502	INCIN	2-Dec-03	7,200	7,200
1	ACE/TOL	М	D001, F002, F003, F005, D021, D022	Cleaning/NDI	NORLITE	ST004502	INCIN	2-Dec-03	900	900
9	ACE/TOL	М	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004502	INCIN	23-Dec-03	4,500	4,500
3	ACE/TOL	М	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004502	INCIN	23-Dec-03	600	600
	TOTAL	M			NORLITE		INCIN		46,500	
4	WASTE LIQUID	0	F002, F005, D021	PT-16 sludge	NORLITE	ST015103	INCIN	19-May-03	47,903	47,903
-	WAOTE ENGOID	<u> </u>		, , , , o o, a a go	NONLITE	01010103	III III	10-11/dy-00	47,500	41,000
12	NAOH/BARIUM	Q	D002, D005	Plant	CWM CHEM	BY1701	TREAT	15-May-03	430	430
	SODIUM HYDROXIDE	Q	D002, D005		CWM CHEM	BY1707	TREAT	3-Dec-03	400	400
	TOTAL	Q			CWM CHEM				830	
\dashv								_		
	GRAND TOTAL								4,366,344	
								-	2,183	
-										
					<u> </u>					
\dashv										

HAZ WT			4,409,697																								
DISP WT																				3							
SHIP DATE				i																							1
DISP																											
APPROVAL CODE	÷																										
TSDF					=																						
PROCESS GEN WASTE																											
EPA CODES				-																							
WST																											_
WASTE DESCRIPTION																					1117						
αту																			\dagger	1	1	1	\dagger	1	+	\top	

2003 ARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT ibs	HAZ WT Ibs
		+		 	· · · · · · · · · · · · · · · · · · ·					
		-					 			
_										
		-						-		
									5,291,233	1,302.4

ISOCıı∠M INC. 2003 WASTE DISPOSAL

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192		Site 3 -Marisol NJD002454544				Site 7-CECOS			Site 10-CWM NYD049836679
MISC SOLVENT WASTE	Α	1300.56	33%	6	924	4	367						
WASTE OIL	В	0.00	0%										
WASTE DEA	С	0.00	0%	"									
PLANT OUT OF SPEC	D	12.07	0%	12									
LAB PACS	E	0.00	0%										
PROCESS RESIDUE	F	1.25	0%	1									
LAB LIQUID	G	0.00	0%										
LAB SOLID	Н	0.00	0%										
WASTEWATER TREATED OFF SI	Ι	647.02	17%					322		325			
SPILLS/CLEANUP	J	39.41	1%	39									
CARBON	κ	83.18	2%								79	5	
MISC CORROSIVE	L	57.41	1%	7	1				1	49			
PROCESS CLEANOUT	М	34.05	1%	11	23								
WASTE PAINT	N	0.00	0%										
TANK CLEANOUT	0	23.95	1%		24								
NAOH scrubbing solution	Р	5.28	0%					5					
NaOH/Barium	Q	0.42	0%										830
WASTEWATER TREATED ON SITE		1686.00	43%										

TOTAL 3890.59

12003 HAZARE	OUS WASTE REPORT WORKSHEET

<u> </u>	WASTE	HAZ	EPA	PROCESS		<u> </u>	DISP	SHIP	DISP	DISP	HAZ	INCIMERATION	ww	RECYCLE	MFST	STATE	T	TONS PER
) TY	DESCRIPTION	NON	ĺ	GEN	TSDF	APPROVAL	METHOD	ŀ	VOL	WT	WT	WT	wr	RECOVERY		MFST	HAULER	CATEGORY
		1		WASTE	,	CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
1	THF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	14632	INCIN	4-Apr-03	6,060	43,540	43,540	43,540	0	0	975	MI8688944	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	9-Apr-03	5,668	42,497	42,497	42,497	0	0	976	MI8688945	BFC	
4	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		DECYC	10 4== 02		6.000	0.000			6 000	077	DA C266224	ALITUMAN	
	SPENT CARBON	INAL	D001, F003,		ENVIROTROL	<u> </u>	RECYC	10-Apr-03	- "	6,000	6,000	0	0	6,000	977	PAG366331	AUTUMN	
1	THF/MTBE	HAZ	F005	Z-Valine NCA	EI DUPONT	OW11243		10-Apr-03	5,000	43,420	43,420		43,420	<u></u>	978	NJA4134346	BFC	
			F002, F003, F005, D021,															
16	WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	21-Apr-03		6,500	6,500	6,500	0	0	979	AR1363670	SJ TRANS	
			F002, F003, F005, D021,															
13	WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	21-Apr-03		5,200	5,200	5,200	0	0	979	AR1363670	SJ TRANS	
			F002, F003,					•						***				
34	MCB, HCL	HAZ	F005, D021, D022	PTSI	ENSCO	1434112	INCIN	21-Apr-03		13,600	13,600	13,600	0	0	979	AR1363670	SJ TRANS	
-	BCF	-	D002, D003		ENSCO	1434004	INCIN	21-Apr-03		400	400	400	0	0		AR1363670	SJ TRANS	1
╗			D001, D002,			1101001		217.00		100	100							
┪	IPCF	HAZ	D003		ENSCO	1434116	INCIN	21-Apr-03		74	74	74	0	0		AR1363670	SJ TRANS	
5	PTSI RESIDUE	NON	D001, F002,		BRIDGEPORT	0928DN4		21-Apr-03		3,000	0				980	CTF0563836	UNITED IND	
			F003, F005,															
3	ACE/TOL		D021, D022		NORLITE	ST004501	INCIN	21-Apr-03		900	900	900	0	0	981	NYG2772648	UNITED IND	
			D001, F002, F003, F005.				l											
33	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		9,900	9,900	9,900	0	0	981	NYG2772648	UNITED IND	
			D001, F002, F003, F005,															
1	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		500	500	500	0	0	981	NYG2772648	UNITED IND	
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503		21-Apr-03		300	300	300	0	0	982	NYG2772657	UNITED IND	
2	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	21-Apr-03		600	600	600	0	0	982	NYG2772657	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	21-Apr-03		42,760	42,760	42,760	0	0	983	NYG2772675	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Apr-03	5,544	42,740	42,740	42,740	0	0	984	NYG2772684	BFC	
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,570	48,940	48,940	0	48,940	0	985	NYG2772774	BFC	
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,310	43,320	43,320	0	43,320	0	986	NYG2772756	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	5,430	42,320	42,320	42,320	0	0	987	NYG2772693	BFC	
1	TOL/TMTC	HAZ	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	5-May-03		500	500	500	0	0	988	AR1363361	MS CARRIERS	
十	THF/MTBE	HAZ				ST010903		30-Apr-03	5 570	46,860	46,860	46,860	0	0		NYG2772513	BFC	
-	DMF	HAZ	D001	ACL		ST010303		5-May-03	0	17,240	17,240	17,240	0	- 0		NYG2887074	BFC	
7			F002, F003,						-		,	,						
+	SPENT CARBON	HAZ	F005		ENVIROTROL		+	9-May-03	0	15,000	15,000	0	0	15,000		PAG366333	AUTUMN	1
+	THF/MTBE	HAZ			· · · · · · · · · · · · · · · · · · ·	ST012403		14-May-03		39,880	39,880	39,880	0	0		NYG2772702	BFC	
#	NAOH/BARIUM		D002, D005 F002, F005,	Plant	CWM CHEM	BY1701	TREAT	15-May-03	0	430	 -	0	430		993	NYG2887497	FREEHOLD	
8	WASTE LIQUID	HAZ		PT-16 sludge	NORLITE	ST015103	INCIN	19-May-03	0	47,903	47,903	47,903	0	0	994	NYG2887479	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403		19-May-03		38,400	38,400	38,400	0	0	995	NYG2772711	BFC	
1 1	ГНГ/МТВЕ	HAZ	D001	Z-Valine NCA	NORLITE	ST010903		21-May-03		45,680	45,680	45,680	0	0	996	NYG2772531	BFC	
1 F	PETROLEUM WASTE	NON			SAFETY CLN	10827JF	INCIN	30-May-03	25				0	0	997	NYD175773779	SAFETY CLN	

SPETT CARDINION 10.00 10																		
2 SEAT CAMBON 140, 760,	3 SPENT CARBON	HAZ			ENVIROTROL		RECYC	11-Jun-03	0	11,000	11,000	0	0	11,000	998	PAG366334	AUTUMN	
2 Sept. CARSON No. POSS Pisk Pis	1 TOL/DMF	HAZ	<u> </u>	ACL	NORLITE	ST014802	INCIN	16-Jun-03	5,238	44,700	44,700	44,700	0	0	999	NYG2886381	BFC	
STOCKER MAP	2 CDENT CARRON	ШАТ	1	Plant	ENVIDOTROL		DECYC	17 lun 02		7.500	7.500			7 500	1000	DACGEGGG	ALITUMAN	
SPENT CARBON MAZ PEDC CALGORION SAPET SECON 23 MIN 3 MIN 5 M			4			CT044000	 		 	1	-		+	· · ·	 	· · · · · · · · · · · · · · · · · · ·	 	
TOLOGIA HeX TOLOGIA FOOD 1960 NORGITE STEMBER NORW SEAL PLAN 5,840 43,760 43,760 43,760 45,760 0 0 0 903 NORGERSTON PEC		+	 		1				-	†			 		+	<u> </u>		
PERINT CARBON MAZ PROP. PROS. PROVIDED PROV										<u> </u>		 -	+			 		
SPENT CARRON MAZ FORD EMVORTOROL RECYC Z-Jun-S 0 5,000 5,000 0 0 0 0,000 MOZ-BROSSO AJTUANN	1 TOL/DEA	HAZ	1	HEGUI	NORLITE	S1014802	INCIN	25-Jun-03	5,850	43,760	43,760	43,760	0	0	1003	NYG2887902	BFC	
A SPENT CARBON HAZ DOT NOT CARBON HAZ H	1 SPENT CARBON	HAZ			ENVIROTROL		RECYC	27-Jun-03	0	5,000	5,000	0	0	5,000	1004	PAG366336	AUTUMN	
TOLDEA 19.00 19.	1 TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03	42,190	6,002	6,002	6,002	0	0	1005	NYG2887911	BFC	
HCL HAZ DOZ FOX	4 SPENT CARBON	HAZ	F002	HEGCI	CALGON CAR	CAN2542R	RECYC	1-Jul-03	0	4,000	4,000	0	0	4,000	1006	NYG2885517	HAZMAT	
HCL	1 TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	3-Jul-03	4,000	27,140	27,140	27,140	0	0	1007	NYG2887929	BFC	
FIGL PAS D021	1 HCL	HAZ	F003, F005,		CECOS	12472AAD	TREAT	8-Jul-03	0	42,440	42,440	0	42,440	0	1008	NYG2885679	FREEHOLD	
FINCL											,			·				
	1 HCI	ا ا			CECOS	124724 45	TDEAT	0 11 00	_	44 700	44 700	_	144 700	•	1000	NVC2225727	EBEENOLD	i
Hold Hold	ITIOL	ITAZ			ICECOS	1241 ZAAU	IKEAI	o-Jul-03	U	41,780	41,780	U	41,780	U	1009	N1G2885/8/	FREEHOLD	
3 CARBON/TOL HZ F002 F003 F005 ENVIROTROL CHENNY-WW 10-Jul-03 0 10.000 10.000 0 0 10.000 1011 PAG386337 AUTUMN 10-Jul-03 0 10.000 10.000 0 0 0 10.000 1011 PAG386337 AUTUMN 10-Jul-03 0 10.000 10.000 0 0 0 0 0 0 0 0 0 0 0 0			F003, F005,															
CARBON/MOR HAZ FOOS ENVIROTROL CHEMY-WW 10-Jul-03 0 10,000 0 0 10,000 1011 PAGSIGES37 AUTUMN	1 HCL	HAZ			CECOS	12472AAD	TREAT	8-Jul-03	1,364	13,640	13,640	0	13,640	0	1010	NYG2885661	FREEHOLD	
1 CARBONMICB HAZ FOOZ ENVIROTROL VOMAY-AF 10-Jul-03 0 365 366 0 0 385 1011 PAGS86337 AUTUMN	3 CARBON/TOL	HAZ	F005		ENVIROTROL	CHEMNY-WW		10-Jul-03	0	10,000	10,000	0	0	10,000	1011	PAG366337	AUTUMN	
FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOX. FOOZ. FOOZ. FOOX. FOOZ. FOOZ. FOOZ. FOOZ. FOOZ.	1 CARBON/MCB	HAZ			ENVIROTROL	VDMNY-AF		10-Jul-03	0	365	365	0	0	365	1011	PAG366337	AUTUMN	
FOOZ FOOX FOOZ	6 CARBON/MTBE	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF			0	1,900	1,900	0	0	1,900	1011	PAG366337	AUTUMN	
15 MASTE SOLID HAZ D022 ENSCO 1378178 INCIN 18-Jul-03 0 9,000 9,000 9,000 0 0 1012 AR1383634 HAZMAT 2 MASTE SOLID HAZ D022 ENSCO 1378178 INCIN 18-Jul-03 0 600 600 600 0 0 1012 AR1383634 HAZMAT 1 TMTC HAZ D031, F005 ENSCO 1393020 INCIN 18-Jul-03 0 40,000												<u> </u>		,				
PRINCE P	25 WACTE COUR				EN000	4070470	nion.	40 1 1 00				0.000		•	4040			
2 WASTE SOLID HAZ DO22 ENSCO 1378178 INCIN 18-Jul-03 0 600 600 600 0 0 1012 AR1363634 HAZMAT 1 TMTC HAZ D033, F005 ENSCO 1383020 INCIN 18-Jul-03 0 300 300 300 0 0 1012 AR1363634 HAZMAT 2 F003, F005, F003, F00	35 WAS IE SOLID	HAZ			ENSCO	13/81/8	INCIN	18-Jul-03	U	9,000	9,000	9,000	- 0 	U	1012	AR1363634	HAZIVIA	
1 TMTC			F005, D021,															
DOI, FOOZ FOOX,	2 WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	18-Jul-03	0	600	600	600	0	0	1012	AR1363634	HAZMAT	
26 ACE/TOL HAZ D021, D022 NORLITE ST004502 INCIN 18-Jul-03 0 12,500 12,500 0 0 1013 NYG28885742 UNITED IND D001, F002, F003, F005, P003, P003,	1 TMTC	HAZ			ENSCO	1393020	INCIN	18-Jul-03	0	300	300	300	0	0	1012	AR1363634	HAZMAT	
ACE/TOL	25 ACE/TOL	ПЛЭ	F003, F005,		NODI ITE	ST004502	INICINI	10 Jul 03	0	12 500	12.500	12 500		0	1013	NVC20005742	LINITED IND	
A ACE/TOL	ZUACLITOL		1 :		NORLITE	31004302	INCIN	10-341-03		12,500	12,500	12,500		- 0	1013	N1G20003742	ONITED IND	
NON REG NON BRIDGEPORT 0927DN4 18-Jul-03 0 1,000 1,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			F003, F005,			l												
13 HCL/TOL HAZ F003, F005, NORLITE ST021203 INCIN 18-Jul-03 0 1,000 1,000 1,000 0 0 1013 NYG28885742 UNITED IND	4 ACE/TOL		, i		NORLITE	ST004502	INCIN	18-Jul-03	0	2,000	2,000	2,000	0	0	1013	NYG28885742	UNITED IND	
13 HCL/TOL		1			ĺ	ĺ	ĺ						1 1		ĺ			
18 PTSI RESIDUE NON BRIDGEPORT 0928DN4 18-Jul-03 0 7,200 0 0 0 0 0 1015 CTF1140738 UNITED IND	13 HCL/TOL	HAZ	1 ' '1		NORLITE	ST021203	INCIN	18-Jul-03	0	1,000	1,000	1,000	0	0	1013	NYG28885742	UNITED IND	
NON REG NON BRIDGEPORT 0929DN4 18-Jul-03 0 400 0 0 0 0 0 1015 CTF1140738 UNITED IND	3 NON REG	NON			BRIDGEPORT	0927DN4		18-Jul-03	0	1,200	0	0		0	1015	CTF1140738	UNITED IND	
NON REG NON BRIDGEPORT 0929DN4 18-Jul-03 0 400 0 0 0 0 0 1015 CTF1140738 UNITED IND	18 PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		18-Jul-03	0	7,200	0	0		0	1015	CTF1140738	UNITED IND	
DCB/HEPTANE	1 NON REG	NON							0		0	0		0		•	UNITED IND	
2 SPENT CARBON HAZ F005 ENVIROTROL CHEMNY-WW TREAT 30-Jul-03 0 9,000 9,000 0 0 9,000 1017 PAG475009 AUTUMN 1 SPENT CARBON HAZ D001, F005 ENVIROTROL BUSPNY-AF TREAT 30-Jul-03 0 250 250 0 0 0 250 1017 PAG475009 AUTUMN 1 SPENT CARBON HAZ F002 ENVIROTROL VDMNY-AF TREAT 30-Jul-03 0 286 286 0 0 0 286 1017 PAG475009 AUTUMN 1 DCB/HEPTANE HAZ D001, F002, D00		1	D001, F002, D021, F003	NDI			INCIN		3,970			35,200	0	0			UNITED IND	
1 SPENT CARBON HAZ D001, F005 ENVIROTROL BUSPNY-AF TREAT 30-Jul-03 0 250 250 0 0 0 250 1017 PAG475009 AUTUMN 1 SPENT CARBON HAZ F002 ENVIROTROL VDMNY-AF TREAT 30-Jul-03 0 286 286 0 0 0 286 1017 PAG475009 AUTUMN 1 DCB/HEPTANE HAZ D001, F002, D021, F003 NDI NORLITE ST021803 INCIN 30-Jul-03 3,500 31,940 31,940 0 0 1018 NYG2885922 UNITED IND 1 SODIUM HYDROXIDE HAZ D002 IPCF EI DUPONT OW11805T TREAT 1-Aug-03 1,055 10,550 10,550 10,550 10,550 0 36113 NJA4136113 HM HTTC RES TEAM 1 PETROLEUM WASTE NON SAFETY CLN NY10827JF 18-Aug-03 0 169 0 0 0 0 1019 NYD175773779 SAFETY CLN	2 CDENT CARRON	L			ENWIDOTES!	OLIEMBIA MA	TDE 4.T	20 1 22		0000	0.000			0.000	4047	DA 0.475000	ALITURAN	
1 SPENT CARBON HAZ F002 ENVIROTROL VDMNY-AF TREAT 30-Jul-03 0 286 286 0 0 0 286 1017 PAG475009 AUTUMN 1 DCB/HEPTANE HAZ D001, F002, D021, F003 NDI NORLITE ST021803 INCIN 30-Jul-03 3,500 31,940 31,940 0 0 0 1018 NYG2885922 UNITED IND 1 SODIUM HYDROXIDE HAZ D002 IPCF EI DUPONT OW11805T TREAT 1-Aug-03 1,055 10,550 10,550 10,550 0 36113 NJA4136113 HM HTTC RES TEAM 1 PETROLEUM WASTE NON SAFETY CLN NY10827JF 18-Aug-03 0 169 0 0 0 0 1019 NYD175773779 SAFETY CLN		+											 				†	
1 SPENT CARBON HAZ F002 ENVIROTROL VDMNY-AF TREAT 30-Jul-03 0 286 286 0 0 0 286 1017 PAG475009 AUTUMN 1 DCB/HEPTANE HAZ D002 IPCF EI DUPONT OW11805T TREAT 1-Aug-03 1,055 10,550 10,550 10,550 0 36113 NJA4136113 HM HTTC RES TEAM 1 PETROLEUM WASTE NON SAFETY CLN NY10827JF 18-Aug-03 0 169 0 0 0 0 1018 NYD175773779 SAFETY CLN	119HENT CARRON				ENVIROTROL	RU2LNA-WE	IKEAT	30-Jul-03	U	250	250	0	0	250	1017	PAG4/5009	AUTUMN	
1 DCB/HEPTANE HAZ D021, F003 NDI NORLITE ST021803 INCIN 30-Jul-03 3,500 31,940 31,940 0 0 1 018 NYG2885922 UNITED IND 1 SODIUM HYDROXIDE HAZ D002 IPCF EI DUPONT OW11805T TREAT 1-Aug-03 1,055 10,550 10,550 0 36113 NJA4136113 HM HTTC RES TEAM 1 PETROLEUM WASTE NON SAFETY CLN NY10827JF 18-Aug-03 0 169 0 0 0 1019 NYD175773779 SAFETY CLN	1 SPENT CARBON	HAZ	F002		ENVIROTROL	VDMNY-AF	TREAT	30-Jul-03	0	286	286	0	0	286	1017	PAG475009	AUTUMN	
1 SODIUM HYDROXIDE HAZ D002 IPCF EI DUPONT OW11805T TREAT 1-Aug-03 1,055 10,550 10,550 0 36113 NJA4136113 HM HTTC RES TEAM 1 PETROLEUM WASTE NON SAFETY CLN NY10827JF 18-Aug-03 0 169 0 0 0 0 1019 NYD175773779 SAFETY CLN	1 DCB/HEPTANE			NDI	NORLITE	ST021803	INCIN	30-Jul-03	3,500	31,940	31,940	31,940	0	0	1018	NYG2885922	UNITED IND	
1 PETROLEUM WASTE NON SAFETY CLN NY10827JF 18-Aug-03 0 169 0 0 0 0 1019 NYD175773779 SAFETY CLN	1 SODIUM HYDROXIDE	HAZ	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	1,055	10,550	10,550		10,550	0			HM HTTC RES TEAM	<u> </u>
	1 PETROLEUM WASTE	NON				NY10827JF						0		Ô			SAFETY CLN	
	1 DMF/HEPTANE	HAZ	D001	ACL	NORLITE	ST025003			0			27,000	 		1020	NYG2885274	BFC	

γ	,			_					y			,					
		D001, F002, F003, D021,															
1 MCB/DMF	HAZ		NDI	NORLITE	ST021803	INCIN	3-Sep-03	4,237	38,540	38,540	38,540	0	0	1021	NYG2885211	UNITED IND	
2 SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TDEAT	4-Sep-03	0	9,000	9,000	0	0	0.000	1021	PAG475008	AUTUMN	
2 SPENT CARBON	ITAZ	D01, F002,		ENVIROTROL	CHEIVINY-VVV	IKEAI	4-3ep-03		9,000	9,000			9,000	1021	PAG475006	AUTOMIN	<u> </u>
1 MCB/DMF	HAZ		NDI	NORLITE	ST021803	INCIN	4-Sep-03	0	3,393	3,393	3,393	0	0	1022	NYG2885355	UNITED IND	
		F002, F003, F005, D021,															
62 WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	4-Sep-03	0	18,600	18,600	18,600	0	0	1023	AR1363756	FREEHOLD	
17 TBI	HAZ	D001, D003		ENSCO	1453219	INCIN	4-Sep-03	0	1,900	1,900	1,900	0	0	1024	AR1363757	FREEHOLD	
1 PNBC	NON			NORLITE	ST021203		5-Sep-03	4,736	37,960	0	0	0	0	1025	NYD080469935	BFC	
36 IPCF	HAZ	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	0	16,200	16,200	16,200		0	1026	AR1363758	SJ TRANS	
1 WASTE SOLID	HAZ	D001		ENSCO	1453220	INCIN	4-Sep-03	0	275	275	275	0	0	-	AR1363758	SJ TRANS	
	1	D001, F003,												i			
1 DMF/TOL	HAZ	F005 D001, F005.	NDI	NORLITE	ST023302	INCIN	16-Sep-03		39,820	39,820	39,820	0	0	1027	NYG2884941	BFC	
1 TOL/METH	HAZ	1 ''	NDI	NORLITE	ST028503	INCIN	18-Sep-03	0	44,940	44,940	44,940	0	0	1028	NYG2884518	BFC	
		D001, F002, F003, F005,															
20 ACE/TOL	HAZ	D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	6,000	6,000	6,000	0	0	1029	NYG2887749	UNITED IND	
1 WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	18-Sep-03	0	300	300	300	0	0	1029	NYG2887749	UNITED IND	
4 DODUIEDTANE		D001, F002,		NODUTE.	07004000	MON	40.0 00		250	050	050			4000	NV00007740	LIMITED IND	
1 DCB/HEPTANE	HAZ	D021, F005 D001, F002,	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	350	350	350	0	0	1029	NYG2887749	UNITED IND	<u> </u>
		F003, D021,															
5 ACE/TOL	HAZ	D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03		1,500	1,500	1,500	0	0		NYG2885004	UNITED IND	
4 DMF	HAZ	D001 D001, F002,	ACL	NORLITE	ST010202	INCIN	18-Sep-03	0	1,200	1,200	1,200	0	0	1030	NYG2885004	UNITED IND	
2 DCB/HEPTANE		D021, F005		NORLITE	ST021803	INCIN	18-Sep-03	0	600	600	600	0	0	1030	NYG2885004	UNITED IND	
1 PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	18-Sep-03	0	300	300	300	0	0	1030	NYG2885004	UNITED IND	
1 TRIETHYLPHOSPHATE	NON			NORLITE	ST027003	INCIN	18-Sep-03	0	300	0	0	0	0	1031	CTD021816889	UNITED IND	
1 MAGNESIUM SULFATE	NON			BRIDGEPORT	2643EN4	INCIN	18-Sep-03	0	300	0	0	0	0	1032	CTF1132553	UNITED IND	
1 L-PHENYLALANENE	NON			BRIDGEPORT	2642EN4	INCIN	18-Sep-03	0	50	0	0	0	0	1032	CTF1132553	UNITED IND	
5 WASTE SOLID	NON			BRIDGEPORT	0927ON4	INCIN	18-Sep-03	0	2,000	0	0	0	0		CTF1132553	UNITED IND	
8 PTSI RESIDUE	NON			BRIDGEPORT	0926DN4	INCIN	18-Sep-03	0	4,800	0	0	0	0	1032	CTF1132553	UNITED IND	ļ
1 MET/TOL	HAZ	D001, F003, F005	FC 102	NORLITE	ST028503	INCIN	22-Sep-03	0	19,620	19,620	19,620	0	0	1033	NYG2884563	BFC	
		F002, F003,															
1 WASTE SOLID	HAZ	F005, D021, D022		ENSCO	1378178	INCIN	24-Sep-03	0	300	300	300	0	0	1034	AR1363770	 HAZMAT	1
1 BATTERIES	NON			ENSCO	1449246	RECYC	24-Sep-03	0	30	0	0	0	30		AR1363770	HAZMAT	
1 WASTE LIQUID	HAZ	F003	Scrubber	CECOS	12342	TREAT		2,511		21,017	0	21,017	-		NYG3961944	BFC	
O OPENIT OF SECTION		F002, F003,									_		40.000				
3 SPENT CARBON	HAZ	F005 D001, F005			CHEMNY-WW	TREAT	15-Oct-03	0	10,000	10,000	0	0	10,000		PAG366338	AUTUMN	
2 SPENT CARBON		D001, F003		ENVIROTROL	BUSPNY-AF	TREAT	15-Oct-03	0	400	400	0	0	400	1036	PAG366338	AUTUMN	
1 MET/TOL	HAZ	F005	FC-102E/ACL	NORLITE	ST028503	INCIN	15-Oct-03	0	41,920	41,920	41,920	0	0	1037	NYG2884572	BFC	
1 SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342-AAE	TREAT	16-Oct-03	0	44,683	44,683	0	44,683	o	1038	NYG3959478	BFC	
	$\overline{}$	D002, F002,		02000	14074-7V\L	INEAI	10-00-03	, ,	77,003	77,000		77,000	3	1030	147 00000470	5. 0	
1 SOD HYD/SOD CL	HAZ	F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	0	41,200	41,200	0	41,200	0	1039	NYG3959496	BFC	
1 SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	0	39,732	39,732	0	39,732	0	1040	NYG3959487	BFC	
		D001, F003,								, and the second			-	•			
1 MET/TOL	HAZ	F005	FC-102E/ACL	NORLITE	ST028503	INCIN	21-Oct-03	0	37,020	37,020	37,020	0	0	1041	NYG2884599	BFC	L

	1	D000 F000							γ		1	ı					
1 SOD HYD/SOD CL	HAZ	D002, F002, F005		CECOS	12342AAE	TREAT	21-Oct-03	0	45,036	45,036	0_	45,036	0	1042	NYG3959361	BFC	
1 WASTE LAMPS	NON			ENSCO			23-Oct-03	0	400	0	0	0	0	1043	996867	FREEHOLD	
1 MET/TOL	HAZ		FC-102E/ACL	NORLITE	ST028503	INCIN	23-Oct-03	0	39,280	39,280	39,280	0	0	1044	NYG2884608	BFC	
1 MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	24-Oct-03	0	41,480	41,480	41,480	0	0	1045	NYG2884617	BFC	
1 MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	27-Oct-03	0	46,580	46,580	46,580	0	0	1046	NYG2884626	BFC	
1 MET/TOL	HAZ	D001, F003, F005 D001, F003.	FC-102E/ACL	NORLITE	ST028503	INCIN	29-Oct-03	0	40,860	40,860	40,860	0	0	1047	NYG2884635	BFC	<u> </u>
1 MET/TOL	HAZ	F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	0	43,020	43,020	43,020	0	0	1048	NYG2884653	BFC	
1 PNBC	NON		PNBC	NORLITE	ST021203	INCIN	29-Oct-03	0	40,380	0	0	0	0	1049	NYD080469935	UNITED IND	
1 PNBC	NON	D004 F002	PNBC	NORLITE	ST021203	INCIN	31-Oct-03	0	18,260	0	0	0	0	1050	NYD080469935	UNITED IND	
1 MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	5-Nov-03	0	43,340	43,340	43,340	0	0	1051	NYG2884662	BFC	
1 MET/TOL	HAZ	D001, F003, F005 D001, F003,	FC-102E/ACL	NORLITE	ST028503	INCIN	2-Nov-03	0	43,005	43,005	43,005	0	0	1052	NYF2884671	BFC	-
1 MET/TOL	HAZ	F005 D001, F003,	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	0	41,760	41,760	41,760	0	0	1053	NYG2884689	BFC	
1 MET/TOL	HAZ	F005 D001, F003,	FC-102E/ACL	NORLITE	ST028503	INCIN	4-Nov-03	0	46,180	46,180	46,180	0	0	1054	NYG2884698	BFC	
1 MET/TOL	HAZ	F005 F002, F003,	FC-102E/ACL	NORLITE	ST028503	INCIN	10-Nov-03	0	41,460	41,460	41,460	0	0	1055	NYG2884707	BFC	
1 WASTE SOLID	HAZ	F005, D021, D022		ENSCO	1378178	INCIN	11-Nov-03	0	300	300	300	0	0	1056	AR1363492	HAZMAT	
2 NBA	HAZ	D001		ENSCO	1453251	INCIN	11-Nov-03	0	500	500	500	0	0	1056	AR1363492	HAZMAT	
1 P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	11-Nov-03	0	170	170	170	0	0	1056	AR1363492	HAZMAT	
1 MET/TOL	HAZ		FC-102E/ACL	NORLITE	ST028503	INCIN	12-Nov-03	0	43,060	43,060	43,060	0	0	1057	NYG3961512	BFC	
1 MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	14-Nov-03	0	44,600	44,600	44,600	0	0	1058	NYG3961521	BFC	
1 PETROLEUM WASTE	NON			SAFETY CLN	10827JF		12-Nov-03	24	175	0				1059	103788726	SAFETY CLN	
1 MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	17-Nov-03	0	46,680	46,680	46,680	0	0	1060	NYG3961539	BFC	
MET/TOL	HAZ		FC-102E	NORLITE	ST028503	INCIN	21-Nov-03	0	44,900	44,900	44,900	0	0	1061	NYG3961548	BFC	
SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	VANCHEMNY	TREAT	25-Nov-03	0	10,000	10,000	0	0	10,000	1062	PAG475077	AUTUMN	
SPENT CARBON		D001, F005		ENVIROTROL	VANBUSPNY	TREAT	25-Nov-03	0	555	555	0	0	555	1062	PAG475077	AUTUMN	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	25-Nov-03	0	44,840	44,840	44,840	0	0	1063	NYG3961566	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	1-Dec-03	0	45,640	45,640	45,640	0	0	1064	NYG3961557	BFC	ļ
B WASTE SOLID		F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Dec-03	0	15,200	15,200	15,200	0	0	1065	AR1363517	FREEHOLD	<u> </u>
TOL/TMTC	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	2-Dec-03	0	2,000	2,000	2,000	0	0	1065	AR1363517	FREEHOLD	
P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	2-Dec-03	0	100	100	100	0	0	1065	AR1363517	FREEHOLD	
WASTE LIQUID	HAZ	F002		ENSCO	1434023	INCIN	2-Dec-03	0	100	100	100	0	0	1065	AR1363517	FREEHOLD	
TOL/DEA		D001, F005		ENSCO	1328204	INCIN	2-Dec-03	0	250	250	250	0	0	1065	AR1363517	FREEHOLD	
MCB/HCL	HAZ	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	0	250	250	250	0	0	1065	AR1363517	FREEHOLD	
WASTE LIQUID	HAZ	D003, D021	HEGCI	ENSCO	1318824	INCIN	2-Dec-03	0	500	500	500	0	0	1065	AR1363517	FREEHOLD	<u> </u>

_				,	T					1								
			D001, F002, F003, F005.															
24	ACE/TOL	HAZ	D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	7,200	7,200	7,200	0	0	1066	NYG3958524	UNITED IND	
7	ODCB/HEPTANE	HAZ	D001	NDI	NORLITE	ST021803	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	1066	NYG3958524	UNITED IND	
			D001, F002,	-														
ا ا	ACE/TOL	ᄱᇫ	F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	900	900	900	0	0	1066	NYG3958524	UNITED IND	
H	AOL/TOL	11/12	D002, F002,	INDI	NONLITE	01004302	1140114	2-060-03		300	300	900		<u> </u>	1000	N1G3936324	ONITED IND	<u> </u>
			F003, F005,			<u> </u>						1						Į
Н	HCL/TOL		D021, D001		BRIDGEPORT	2258ESTD2L	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	-	CTF1000391	UNITED IND	
Н		NON			BRIDGEPORT	0927DN4	INCIN	2-Dec-03	0	3,000	0	0	0	0		CTF1000391	UNITED IND	<u> </u>
	NON REG	NON			BRIDGEPORT	0928DN4	INCIN	2-Dec-03	0	6,000	0	0	0	0		CTF1000391	UNITED IND	
Н		NON			NORLITE	ST034103	INCIN	2-Dec-03	0	400	0	0	0	0	 	CTV31324	UNITED IND	
1	SODIUM HYDROXIDE	HAZ	D002, D005 F002, F003,		CWM CHEM	BY1707	TREAT	3-Dec-03	0	400	400	0	400	0	1069	NYG3961296	FREEHOLD	
3	SPENT CARBON	HAZ	F005		ENVIROTROL	CHEMNYWV	RECYC	16-Dec-03	0	15,000	15,000	0	0	15000	1070	PAG475079	AUTUMN	
1	MET/TOL	HAZ		FC-102E	NORLITE	ST028503	INCIN	18-Dec-03	0	44,340	44,340	44,340	0	0	1071	NYG3961584	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	22-Dec-03	0	43,119	43,119	43,119	0	0	1072	NYG3961575	BFC	
1	вzон	NON		BFC	NORLITE	ST039703	INCIN	23-Dec-03	0	47,020	0	0	0	0	1073	NYR0000457242	BFC	
4	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	0	2,400	0	0	0	0	1074	CTF0563840	UNITED IND	
1	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	0	100	0	0	0	0	1074	CTF0563840	UNITED IND	
1	NON REG	NON			NORLITE	ST004902	INCIN	23-Dec-03	0	300	0	0	0	0	1075	CTD021816889	UNITED IND	
			D001, F002,				****											
15	ACE/TOL	HAZ	F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1076	NYG3958227	UNITED IND	
Н			D001, F002,							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	1,000						
41	CHLOROBENZENE	HAZ	D021	NDI	NORLITE	ST040003	INCIN	23-Dec-03	0	12,300	12,300	12,300	0	0	1076	NYG3958227	UNITED IND	
			D001, F002, F003, F005,														i	
2	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	600	600	600	0	0	1076	NYG3958227	UNITED IND	
4	THF/MTBE	HAZ	D001		NORLITE	ST012403	INCIN	23-Dec-03	0	1,200	1,200	1,200	0	0	1076	NYG3958227	UNITED IND	
15	MCB/HEPTANE	НАТ	D001, F002, D021, F005	***	NORLITE	ST021803	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1077	NYG3958245	UNITED IND	
Н	THF/MTBE	HAZ	D001	Z-Valine NCA		ST012403	INCIN	23-Dec-03	0	300	300	300	0	0		NYG3958245	UNITED IND	~
	111171111111111111111111111111111111111		F002, F003,		NORENE	01012400		20 000 00		- 000	000	300			1077	14103330243	ONTEDINO	
			F005, D021,				13.100.00								.			
	HAZ WASTE SOLID	HAZ	D022		ENSCO	1378178		23-Dec-03	0	3,600	3,600	3,600	0	0		AR1294484	FREEHOLD	
\vdash			D003, D021		ENSCO	1408339		23-Dec-03	0	2,700	2,700	2,700	0	0		AR1294484	FREEHOLD	
	TRIETHYLAMINE		D001, D002		ENSCO	1453343	INCIN	23-Dec-03	0	900	900	900	0	0		AR1294484	FREEHOLD	"
\vdash	NBI		D001, D003		ENSCO	1453334		23-Dec-03	0	1,200	1,200	1,200	0	0		AR1294484	FREEHOLD	
6	NON REG	HAZ	D001, F003,		ENSCO	1453335	INCIN	23-Dec-03	0	600	600	600	0	0	1078	AR1294484	FREEHOLD	
1	MET/TOL	HAZ	F005 D001, F003,	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	0	46,220	46,220	46,220	0	0	1079	NYG3961593	BFC	
1	MET/TOL	HAZ		FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	0	45,360	45,360	45,360	0	0	1080	NYG3961602	BFC	
_1	MET/TOL	HAZ		FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	0	46,653	46,653	46,653	0	0	1081	NYG3958695	BFC	

ΓΥ	WASTE DESCRIPTION	NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT lbs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER
	NASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE		INCIN	3-Jan-03	0	44,118	44,118	44,118	0	0	928	MI7612373	BFC	
	WASTE NN DMF WASTE THF/MTBE	HAZ	D001	ACL	NORLITE		INCIN	7-Jan-03	1,921	15,460	15,460	15,460	0	0	929	NYG2774691	BFC	
	THF/MTBE	HAZ HAZ	D001	Z -Valine Z -Valine	EQ RESOURCE		TREAT	10-Jan-03 10-Jan-03		44,223	44,223	44,223	0 0000	0	930	MI8666864	BFC	
	THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE		INCIN	10-Jan-03	0	39,800 38,260	39,800 38,260	0 38,260	39,800	0 0	931 932	NJA4087188 MI8688752	BFC BFC	ļ
1.7	HF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03		43,200	43,200	0	43,200	0	933	NJA4134265		
	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03		33,220	33,220	0	33,220	0	934	NJA4134266	BFC	
	OL/METH YLENE/METH	HAZ	D001, F005, F003		EI DUPONT	OW11243		28-Jan-03		40,280	40,280	Ō	40,280	0	935	NJA4087194		
	OL/AQUEOUS AMM	HAZ HAZ	D001, F003, F005	TMBCI	EQ RESOURCE	J51201 1434065		29-Jan-03		42,660	42,660	42,660	0	0	936	MI8666863	BFC	
	PHENOL SOL	HAZ	U188		ENSCO ENSCO	1434066	INCIN	29-Jan-03 29-Jan-03	0	1,200 900	1,200 900	1,200 900	0	0 0	937 937	AR1363888 AR1363888	FREEHOLD FREEHOLD	
	HIONYL CL	HAZ	D002, D003	†	ENSCO	1434068	INCIN	29-Jan-03	0	300	300	300	0	1 - 6 - 1	937			
<u> 1 E</u>	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	29-Jan-03	0	300	300	300	0_	0	937	AR1363888		
6 V	VASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	0	2,100	2,100	2,100	0	0	937	AR1363888	FREEHOLD	
12 V	VASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	0	3,900	3,900	3,900	0	0	937	AR1363888	FREEHOLD	
40 A	CE/TOL	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	1419677	INCIN	29-Jan-03	0	12,000	12,000	12,000	0	0	937	AR1363888	FREEHOLD	
3 A	.CE/TOL	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	1419677	INCIN	29-Jan-03	0	900	900	900	n n	0	937	AR1363888	FREEHOLD	1
1 B		HAZ	D002, D003		ENSCO	1434004		29-Jan-03	0	300	300	300	0	0	937	AR1363888		
	ANDBLAST	NON			ENSCO	1434043	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
	VE/MACOL/H2O BOCPHE	NON		<u> </u>	ENSCO	1309281		29-Jan-03	0	1,600	0	1,600	0	0	937	AR1363888		
	TSI RESIDUE	NON NON			ENSCO	1434073		29-Jan-03	0	300	0	300	0	0	937	AR1363888		
	NBC	NON			ENSCO ENSCO	225079 1434067		29-Jan-03 29-Jan-03	0	1,500 300	0 0	1,500 300	0	0	937 937	AR1363888 AR1363888		
1 T	MBA RESIDUE	NON			ENSCO	1434064		29-Jan-03	0	300	0	300	0	0	937	AR1363888		
	EGCL RAG LAYER	NON			ENSCO	1434069		29-Jan-03	0	600	0	600	0	0	937	AR1363888		
	OL/METH		D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	30-Jan-03	0	42,780	42,780	0	42,780	0	938	NJA4087189	BFC	
Τ	OL/METH		D001, F005, F003 D001, F003, F005,		EQ RESOURCE	J51201	INCIN	3-Feb-03	0_	38,880	38,880	38,880	0	0	939	MI7513982	BFC	
	YLENE/TMBCL OL/METH	HAZ HAZ	D002 D001, F005, F003		EQ RESOURCE	A521030TS	INCIN	3-Feb-03	0	21,000	21,000	21,000	0	0	940	MI8688603	BFC	
	OL/METH		D001, F005, F003		EQ RESOURCE EI DUPONT	J51201 OW11243		5-Feb-03 6-Feb-03	0	43,680 40,080	43,680 40,080	43,680 0	0 40,080	0 0	941 942	MI7513981 NJA4087191	BFC BFC	
	OL/METH		D001, F005, F003	FC102		OW11243		7-Feb-03	5,585	46,640	46,640	0	46,640	0	943	NYJ4087190	BFC	
	YLENE	HAZ	F003	TMBCL/GCPCF		12472AAC		4-Feb-03	4,974	41,480	41,480	0	41,480	Ö	944	NYG2775411	BFC	
	YLENE	HAZ		TMBCL/GCPCF		12472AAC	TREAT	4-Feb-03	4,885	40,740	40,740	0	40,740	0	945	NYG2775429		
	YLENE PENT CARRON	HAZ		TMBCL/GCPCF		12472ÅAC		5-Feb-03	4,900	40,866	40,866	0	40,866	0	946	NYG2775393		
	PENT CARBON SED OIL / WATER	NON	F002, F003, F005		ENVIROTROL	4000715		5-Feb-03	0	12,020	12,020	0	0	12,020	947	PAG366326		
	DL/METH		D001, F005, F003		SAFETY CLN EQ RESOURCE	10827JF J51201		7-Feb-03 10-Feb-03	0	700 44,140	0 44,140	0 44,140	00	0	948 949	TXR000050930 MI7513980	BFC	
	/LENE/TMBCL		D001, F003, F005, D002		EQ RESOURCE	13556		10-Feb-03	0	26,300	26,300	26,300	0	0	950	MI8688629	BFC	
	DL/METH		D001, F005, F003		EI DUPONT			12-Feb-03	5,284	45,580	45,580	0	45,580	0	951	NJA4087193		
	PENT CARBON		F002, F003, F005		ENVIROTROL		RECYC	12-Feb-03	0	8,080	8,080	0	0	8,080	952	PAG366328	AUTUMN	
	DL/METH DL/METH		D001, F003, F005			J51201		19-Feb-03	5,948	43,740	43,740	43,740	0	0	953	MI7513973	BFC	
	DL/METH		D001, F003, F005 D001, F003, F005		EI DUPONT C			20-Feb-03	5,490	47,600	47,600	0	47,600	0	953	NJA4087192	BFC	
	DL/METH		D001, F003, F005			W11243		21-Feb-03	5,461	46,140	46,140	0	46,140	0	954	NJA4087176	BFC	
	DL/METH		D001, F003, F005			51201		21-Feb-03	5,968	44,040	44,040	44,040	0	0	955	MI7513972	BFC	ļ
_	DL/METH				$\overline{}$	W11243		28-Feb-03	5,151	42,340	42,340	0	42,340	0	956	NJA4134472	BFC	
_	DL/METH		D001, F003, F005 D001, F003, F005		Q RESOURCE J			3-Mar-03	5,713	42,180	42,180	42,180	0	0	957	MI7513974	BFC	
	DL/METH		D001, F003, F005		EQRESOURCE J			5-Mar-03 5-Mar-03	6,080 4,956	44,000 43,640	44,000 43,640	44,000	0 43,640	0 0	958 959	MI7513975 NJA4134473	BFC BFC	
1 TC	L/METH		D001, F003, F005		I DUPONT O			7-Mar-03	5,241	45,560	45,560	0	45,560	0	960	NJA4134474	BFC	<u> </u>
	L/METH_	HAZ	D001, F003, F005	FC102	Q RESOURCE J	51201		10-Mar-03	6,285	45,440	45,440	45,440	0	0_	961	MI7513976	BFC	
_	TROLEUM WASTE	NON			SAFETY CLN N	Y10827JF	INCIN	4-Mar-03	0	156	0	156	0	0	961	TXR000050930	SAFETY CLN	1
	DL/METH DL/METH		D001, F003, F005 D001, F003, F005			W11243 209-01		11-Mar-03 13-Mar-03	5,208 5,363	44,520 41,640	44,520 41,640	0 41,640	44,520	0	962 963	NJA4134475 NYG2773872	BFC BFC	
2 MC)F	HAZ	D001, D002, D003	E		434070		14-Mar-03	0	600	600	0	600	0	964		MS CARRIER	
ZIVIC																		
1	ETH2PYRO/ACE	HAZ	7002, F003, F005, D021		MARISOL INC 17		TREAT	14-Mar-03	0	7,250	7.250	0	7,250	0	965	NJA4134482		

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP	DISP	HAZ WT	INCINERATION WT	ww wr	RECYCLE RECOVERY	MFST DOC	STATE MFST	HAULER	TONS PER
21	WASTE SOLID	HAZ	F002, F003, F005, D021, D022	WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
		T FIAZ	F002, F003, F005,		ENSCO	1378178	INCIN	14-Mar-03	0	5,250	5,250	5,250	0	0	966	AR1363880	FREEHOLD	
	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178		14-Mar-03		8,000	8,000	8,000_	0	0	966	AR1363880	FREEHOLD	
	WASTE FLAM LIQUID WASTE LIQUID	HAZ HAZ	D001, D002, F003 F002		ENSCO	1419663		14-Mar-03		2,000	2,000	2,000	0	0	966		FREEHOLD	
	2-PROPANOL	HAZ	D001, F002, F003		ENSCO ENSCO	1434023 1434024		14-Mar-03 14-Mar-03		3,000	3,000	3,000 3,500	0	0	966 966	AR1363880 AR1363880	FREEHOLD	
_1	TOL/GCPCF	HAZ	D001, F005		ENSCO	1434090		14-Mar-03		500	500	500	0	0	966	AR1363880	FREEHOLD	
	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03		500	500	500	0	0	966	AR1363880	FREEHOLD	
	ACE/TOL PTSI RESIDUE	HAZ NON	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03	0	6,500	6,500	6,500	0	0	966	AR1363880	FREEHOLD	
	USED DMF	NON	 		ENSCO ENSCO	225079 658592		14-Mar-03 14-Mar-03		3,000 2,000	0 0	3,000 2,000	0	0 0	966 966	AR1363880 AR1363880	FREEHOLD	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342		21-Mar-03		37,530	37,530	0	0	0	967	NYB5565168		
	RQ LIQUID	HAZ	F003	Z -Valine NCA		12342	TREAT	21-Mar-03	4,329	36,104	36,104	0	36,104	0	968	NYB5565159	BFC	
	RQ LIQUID RQ LIQUID	HAZ	F003 F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	24-Mar-03		39,820	39,820	0	39,820	0	969	NYG2772117		
	THF/HEPTANE	HAZ	D001	Z -Valine NCA Z -Valine NCA	CECOS	12342-AAC	TREAT	23-Mar-03 25-Mar-03	6,228	42,900 44,040	42,900 44,040	0 44,040	42,900 0	0	970 971	NYG2772126 MI8688943	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005	2 Valine IVOA	ENVIROTRO		RECYC	26-Mar-03		15,000	15,000	0	0	15,000	972		AUTUMN	
	THF/HEPTANE	HAZ	D001	Z -Valine NCA	EQ RESOURCE		INCIN	27-Mar-03		41,140	41,140	41,140	0	0	973		BFC	
	RQ LIQUID RQ LIQUID	HAZ	F003	Z -Valine NCA		12342-AAC	TREAT	28-Mar-03		42,959	42,959	0	42,959	0	974	NYG2772135		
Ψ	TO LIGOID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	28-Mar-03	5,145	42,909	42,909	0	42,909	0	975	NYG2772144	BFC	
1						+				 	 			 			 	
	HF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	14632	INCIN	4-Apr-03	6,060	43,540	43,540	43,540	Ô	0	975	MI8688944	BFC	
	HF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOUR	L55102	INCIN	9-Apr-03	5,668	42,497	42,497	42,497	0	0	976	MI8688945	BFC	
	SPENT CARBON THE/MTBE	HAZ HAZ	F002, F003, F005	Plant	ENVIROTRO		RECYC	10-Apr-03	0	6,000	6,000	0	0	6,000	977		AUTUMN	
+	TII NVIT BE	naz	D001, F003, F005 F002, F003, F005,	Z-Valine NCA	IEI DUPONT	OW11243		10-Apr-03	5,000	43,420	43,420		43,420_		978	NJA4134346	BFC	<u> </u>
3 V	VASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	21-Apr-03		6,500	6,500	6,500	0	0	979	AR1363670	SJ TRANS	}
			F002, F003, F005,			1010		2.747.00		5,000	0,000	0,000_				7.4.1000010	00 110 110	
<u>3 V</u>	VASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	21-Apr-03		5,200	5,200	5,200	0	0	979	AR1363670	SJ TRANS	L
4 1	MCB, HCL	HAZ	F002, F003, F005, D021, D022	PTSI	EN000	4404440	INON	04.400		40.000	40.000	40.000	_	_	070	45400050		
-	ICF	HAZ	D002, D003	F 1 31	ENSCO ENSCO	1434112 1434004		21-Apr-03	<u> </u>	13,600	13,600	13,600	0	0	979	AR1363670	SJ TRANS	
+		" <u>"</u>	2002, 2000		ENSCO	1434004	INCIN	21-Apr-03		400	400	400	0	0	979	AR1363670	SJ TRANS	
1 11	PCF	HAZ	D001, D002, D003		ENSCO	1434116	INCIN	21-Apr-03		74	74	74	0	0	979	AR1363670	SJ TRANS	
5 P	TSI RESIDUE	NON			BRIDGEPORT	0928DN4		21-Apr-03		3,000	0				980	CTF0563836	UNITED IND	
			Dood Fone Fore															
A	CE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NODUTE	ST004F04	INOIN	04 4 00			000	200	•		004	NVC0770040		
Ë	OLD TOL	11/1/2	1 003, D021, D022		NORLITE	ST004501	INCIN	21-Apr-03		900	900	900	0	0	981	NYG2772648	UNITED IND	 -
			D001, F002, F003,					1								1	1	
A	CE/TOL	HAZ	F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		9,900	9,900	9,900	0	0	981	NYG2772648	UNITED IND	
1		1	Dood Fore Fore															
A	CE/TOL		D001, F002, F003, F005, D021, D022		NOD! ITE	ST004502	INICIN	24 4 22		500	500	500	^		004	NIV.00770040		
	ROPANOL	HAZ	D001, F002			ST010503		21-Apr-03 21-Apr-03		500 300	500 300	500 300	0	0 0	981 982	NYG2772648 NYG2772657		
	ASTE LIQUID	HAZ	F002			ST010603		21-Apr-03		600	600	600	0	0	982	NYG2772657		
	HF/MTBE	HAZ		Z-Valine NCA	NORLITE	ST012403		21-Apr-03		42,760	42,760	42,760	0	0	983	NYG2772675	BFC	
	HF/MTBE ASTE LIQUID	HAZ		Z-Valine NCA		ST012403		23-Apr-03	5,544	42,740	42,740	42,740	0	0	984	NYG2772684		
	ASTE LIQUID	HAZ HAZ		Z-Valine NCA Z-Valine NCA		12342AAD		24-Apr-03	5,570	48,940	48,940	0	48,940	0	985	NYG2772774		
	HF/MTBE	HAZ		Z-Valine NCA		12342AAD ST012403		24-Apr-03 25-Apr-03	5,310 5,430	43,320 41,140	43,320 41,140	0 41,140	43,320 0	0	986 987	NYG2772756 NYG2772693		
	DL/TMTC		D001, D003, F005		ENSCO	1392551		5-May-03	3,430	500	500	500	0	0	988	AR1363361		S
	HF/MTBE	HAZ		Z-Valine NCA		ST010903		30-Apr-03	5,570	46,860	46,860	46,860	0	0	988	NYG2772513		Ĭ
	MF PENT CARBON	HAZ	D001			ST010202		5-May-03	0	17,240	17,240	17,240	0	0	990	NYG2887074		
	IF/MTBE	HAZ HAZ	F002, F003, F005 D001		ENVIROTROL			9-May-03	0	15,000	15,000	0	0	15,000	991	PAG366333		
_	AOH/BARIUM	HAZ	D002, D005	Z-Valine NCA Plant	CWM CHEM	ST012403		14-May-03	6,290	48,433	48,433 430	48,433	0 430	0	992 993	NYG2772702 NYG2887497		
W	ASTE LIQUID			PT-16 sludge	NORLITE :	ST015103		15-May-03 19-May-03	0	430 47,903	47,903	0 47,903	0	0	993	NYG2887497 NYG2887479		
	IF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403		19-May-03	5,923	39,210	39,210	39,210	0	0		NYG2772711		<u> </u>
턌	IF/MTBE	HAZ		Z-Valine NCA	NORLITE	ST010903	INCIN 2	21-May-03	0	45,092	45,092	45,092	Ō	0	996	NYG2772531	BFC	
	TROLEUM WASTE PENT CARBON	NON HAZ	F000 F000 F007		SAFETY CLN			30-May-03	25				0	0	997	NYD175773779		
Ť	DL/DMF	HAZ	F002, F003, F005 D001, F005		NORLITE S	ST014802		11-Jun-03	- 0	11,000	11,000 44,700	0	0	11,000	998		AUTUMN BFC	
	PENT CARBON		F002, F003, F005		NORLITE IS			16-Jun-03 17-Jun-03	5,238 0	44,700 7,500	7,500	44,700	0	7,500	999 1000		AUTUMN	
ŤC	DL/DEA	HAZ	D001, F005			ST014802		20-Jun-03	0	44,280	44,280	44,280	0 1	0		NYG2886444		
	ENT CARBON	HAZ	F002	HEGCI (CALGON CAF	2542R	RECYC 2	25-Jun-03	0	5,000	5,000	0	Ō	5,000	1002	NYG2772153	HAZMAT	
111C	DL/DEA	HAZ	D001, F005	HEGCI 1	NORLITE S	ST014802		25-Jun-03	5,850	43,760	43,760	43,760	0	0	1003	NYG2887902	BFC	

	L = LANDFILL
ļ	B = INCINERATIION
	T = TREATED
	R = RECYCLE
	S = STORAGE

ìΤΥ	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS P
$\overline{}$	SPENT CARBON	HAZ	F002, F003, F005	LURGO	ENVIROTRO			27-Jun-03	0 000	5,000	5,000	0 42,190	0	5,000	1004 1005	PAG366336 NYG2887911	AUTUMN	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03	6,002	42,190	42,190	42,190	0	U	1003	141 02007311	DI O	
4	ODENIT CARROLL	110.7	F000	UEOO			DECYC	4 14 02	0	4,000	4,000	0	0	4,000	1006	NYG2885517	ΗΔΖΜΔΤ	
	SPENT CARBON TOL/DEA	HAZ HAZ	F002 D001, F005	HEGCI HEGCI	NORLITE	ST014802	RECYC	1-Jul-03 3-Jul-03	4,000	27,140	27.140	27.140	0	0	1007	NYG2887929		
	TODDEA	naz	D001, F003	HEGGI	NORLITE	51014602	INCIN	3-Jul-03	4,000	27,140	27,140	27,140	_ <u> </u>	°	1001	141.0201.020		
1	HCL	HAZ	F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	42,440	42,440	0	42,440	0	1008	NYG2885679	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	41,780	41,780	0	41,780	o	1009	NYG2885787	FREEHOLD	
		1107	D002, F002, F003,				.,,,,.		1.364	13,640	13.640	0	13,640	0	1010	NYG2885661	EREEHOLD	
	HCL CARBON/TOL	HAZ HAZ	F005, D021 F002, F003, F005		CECOS	12472AAD CHEMNY-WV	TREAT	8-Jul-03 10-Jul-03	0	10.000	10,000	0	0	10,000	1011		AUTUMN	
_	CARBON/MCB	HAZ	D001, D021, F002		ENVIROTRO		<i>I</i>	10-Jul-03	0	365	365	- 0	0	365	1011		AUTUMN	
	CARBON/MTBE	HAZ	D001, D021, F002			BUSPNY-AF		10-Jul-03	0	1,900	1,900	0	0	1,900	1011		AUTUMN	
	OANDOWNI DL.	11/1/2	F002, F003, F005,		ENVIROTRO	DOSFINT-AF		10-301-03		1,300	1,500			1,500				
35	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	9,000	9,000	9,000	0	0	1012	AR1363634	HAZMAT	
2	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	600	600	600	0	l o l	1012	AR1363634	HAZMAT	1
	TMTC	HAZ	D021, D022		ENSCO	1393020		18-Jul-03	0	300	300	300	0	0	1012	AR1363634	HAZMAT	
25	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	12.500	12.500	12.500	0	0	1013	NYG28885742	UNITED IND	
	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022			ST004502	INCIN	18-Jul-03	0	2.000	2,000	2.000	0	0	1013	NYG28885742	UNITED IND	
			D002, F002, F003,								1,000	1,000	0	0	1013	NYG28885742	LINITED IND	
	HCL/TOL NON REG	HAZ NON	F005, D021, D001		NORLITE	ST021203 0927DN4	INCIN	18-Jul-03	0	1,000 1,200	 	0	U	0	1015	CTF1140738		
	PTSI RESIDUE	NON	 		BRIDGEPORT	0927DN4 0928DN4		18-Jul-03 18-Jul-03	0	7,200	0	0		0	1015	CTF1140738		
	NON REG	NON	+		BRIDGEPORT BRIDGEPORT	0929DN4		18-Jul-03	0	400	0	0		0 1	1015	CTF1140738		
' '	NON NEG	INCIN	D001, F002,		BRIDGEPORT	09290144		10-301-03		400						1		
1/1	DCB/HEPTANE	HAZ	D021, F003	NDI	NORLITE	ST021803	INCIN	29-Jul-03	3,970	35,200	35,200	35,200	l o	lol	1016	NYG2885931	UNITED IND	ļ
	SPENT CARBON	HAZ	F002, F003, F005			CHEMNY-WV		30-Jul-03	0	9,000	9,000	0	0	9,000	1017	PAG475009	AUTUMN	
1 8	SPENT CARBON	HAZ	D001, F005		ENVIROTRO		TREAT	30-Jul-03	0	250	250	0	0	250	1017	PAG475009	AUTUMN	
1	SPENT CARBON_	HAZ	D001, D021, F002 D001, F002,		ENVIROTRO	VDMNY-AF	TREAT	30-Jul-03	0	286	286	0	0	286	1017	PAG475009	AUTUMN	
1 1	DCB/HEPTANE	HAZ	D021, F003	NDI	NORLITE	ST021803	INCIN	30-Jul-03	3,500	31,940	31,940	31,940	0	o	1018	NYG2885922	UNITED IND	
	SODIUM HYDROXIDE	HAZ	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	1,055	10,550	10,550		10,550	0	36113	NJA4136113	HM HTTC RES	TEAM
	PETROLEUM WASTE	NON	- 5002		SAFETY CLN		11112711	18-Aug-03	0	169	0	0	Ó	0	1019	NYD175773779	SAFETY CLN	
	DMF/HEPTANE	HAZ	D001	ACL	NORLITE	ST025003	INCIN	29-Aug-03	0	27,000	27,000	27,000	0	0	1020	NYG2885274	BFC	
1 1	MCB/DMF	HAZ	D001, F002, F003, D021, F005	NDI	NORLITE	ST021803	INCIN	3-Sep-03	4,237	38,540	38,540	38,540	0	0	1021	NYG2885211	UNITED IND	
	SPENT CARBON	HAZ	F002, F003, F005			CHEMNY-WV		4-Sep-03	0	9,000	9,000	0	0	9,000	1021	PAG475008	AUTUMN	L
1 1	MCB/DMF	HAZ	D01, F002, F003, D021	NDI	NORLITE	ST021803	INCIN	4-Sep-03	3,393	30,140	301,240	30,140	o_	0	1022	NYG2885355	UNITED IND	
	WASTE SOLID	HAZ	F002, F003, F005, D021, D022	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ENSCO	1378178	INCIN	4-Sep-03	0	18,600	18,600	18,600	0	0	1023	AR1363756	FREEHOLD	
17 7		HAZ.	D001, D003		ENSCO	1453219	INCIN	4-Sep-03 4-Sep-03	0	1,900	1,900	1,900	0	0	1024	AR1363757		
	NBC	NON	2001, 2000			ST021203	1110111	5-Sep-03	4,736	37,960	0	0	0	0	1025	NYD08046993		
	DOF		Daga 5000 500							40.000	40.000	40.000	_		4000	AR1363758	SJ TRANS	
36	PCF	HAZ	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	0	16,200	16,200	16,200 275	0	0 0	1026 1026		SJ TRANS	
	WASTE SOLID	HAZ	D001	NDI	ENSCO	1453220	INCIN	4-Sep-03	0	275	275	39,820	0	0	1026	NYG2884941		
1 7	OMF/TOL FOL/METH	HAZ HAZ	D001, F003, F005 D001, F005, F003	NDI NDI		ST023302 ST028503	INCIN	16-Sep-03 18-Sep-03	0 0	39,820 44,940	39,820 44,940	39,820 44,940	0	0	1027	NYG2884518		
Ť		.,, 2_	D001, F002, F003,	1101		3,525555		Jop-00	<u> </u>	, 10								
20 /	ACE/TOL	HAZ	F005, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	6,000	6,000	6,000	0	0	1029	NYG2887749		
1 V	VASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	18-Sep-03	0	300	300	300	0	0	1029	NYG2887749	UNITED IND	
1 [OCB/HEPTANE	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	350	350	350	0	0	_1029	NYG2887749	UNITED IND	
			D001, F002, F003,											_		N. (COOC = 2.5.)		
	ACE/TOL	HAZ	D021, D022	NDI		ST004502	INCIN	18-Sep-03	0	1,500	1,500	1,500	0	0	1030	NYG2885004		
416	OMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	18-Sep-03	0	1,200	1,200	1,200	0	0	1030	NYG2885004	ONLIED IND	
			D001, F002,		T												i	1

2003 HAZARDO	USWA	DIE REF	URI WUR	INSPEE

	WASTE	HAZ/	EPA	PROCESS	T	T	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	T	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	
······································				WASTE	<u> </u>	CODE			gals	lbs	lbs	lbs	ibs	lbs	NUM	NUM		
	PROPANOL TRIETHYLPHOSPHATE	HAZ NON	D001, F002		NORLITE	ST010503 ST027003	INCIN	18-Sep-03 18-Sep-03	0	300 300	300	300	0	0	1030 1031	NYG2885004 CTD021816889		
	MAGNESIUM SULFATE	NON	 		NORLITE BRIDGEPORT	2643EN4	INCIN	18-Sep-03	0	300	0	0 0	0	0	1031	CTF1132553		
	L-PHENYLALANENE	NON	 		BRIDGEPORT	2642EN4	INCIN	18-Sep-03	0	50	0	0	0	ō	1032	CTF1132553		
	WASTE SOLID	NON			BRIDGEPORT	0927ON4	INCIN	18-Sep-03	0	2,000	0	0	0	0	1032	CTF1132553		
	PTSI RESIDUE	NON		F0.100	BRIDGEPORT	0926DN4	INCIN	18-Sep-03	0	4,800	0	0	0	0	1032	CTF1132553		
1	MET/TOL	HAZ	D001, F003, F005 F002, F003, F005,		NORLITE	ST028503	INCIN	22-Sep-03	00	19,620	19,620	19,620	0	0	1033	NYG2884563	BFC	
1	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	24-Sep-03	0	300	300	300	0	0	1034	AR1363770	HAZMAT	
	BATTERIES	NON			ENSCO	1449246		24-Sep-03	0	30	0	0	0	30	1034	AR1363770	HAZMAT	
1	WASTE LIQUID	HAZ	F003	Scrubber	CECOS	12342	TREAT	7-Oct-03	2,511	21,017	21,017	0	21,017		1035	NYG3961944	DEC	
	SPENT CARBON	HAZ	F002, F003, F005			CHEMNY-WV	TREAT	15-Oct-03	0	10,000	10,000	0	0	10.000	1035	PAG366338	AUTUMN	+
	SPENT CARBON	HAZ	D001, F005	, ,,,,		BUSPNY-AF	TREAT	15-Oct-03	0	400	400	0	0	400	1036	PAG366338	AUTUMN	
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	15-Oct-03	0	41,920	41,920	41,920	0	0	1037	NYG2884572	BFC	
	SOD HYD/SOD CL	HAZ	D002, F002, F005		CECOS	12342-AAE		16-Oct-03	0	44,683	44,683	0	44,683	0	1038	NYG3959478		<u> </u>
	SOD HYD/SOD CL SOD HYD/SOD CL	HAZ HAZ	D002, F002, F005 D002, F002, F005		CECOS	12342AAE	TREAT TREAT	17-Oct-03	0	41,200 39,732	41,200	0	41,200 39,732	0	1039	NYG3959496 NYG3959487		
	MET/TOL	HAZ	D002, F002, F005		CECOS NORLITE	ST028503	INCIN	17-Oct-03 21-Oct-03	0	39,732	39,732 37,020	0 37,020	0	0	1040 1041	NYG2884599		+
	SOD HYD/SOD CL	HAZ	D002, F002, F005		CECOS	12342AAE	TREAT	21-Oct-03	0	45,036	45,036	0	45,036	0	1042	NYG3959361		
	WASTE LAMPS	NON			ENSCO			23-Oct-03	0	400	0	0	0	0	1043		FREEHOLD	,
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	23-Oct-03	0	39,280	39,280	39,280	0	0	1044	NYG2884608		
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	24-Oct-03	0	41,480	41,480	41,480	0	0	1045	NYG2884617		
	MET/TOL MET/TOL	HAZ HAZ	D001, F003, F005		NORLITE NORLITE	ST028503 ST028503	INCIN	27-Oct-03 29-Oct-03	00	46,580 40,860	46,580	46,580 40,860	0	0	1046 1047	NYG2884626 NYG2884635		
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	3-Nov-03	0	43,020	40,860 43,020	43,020	0	0	1047	NYG2884653		
	PNBC	NON	10001,1000,1000	PNBC	NORLITE	ST021203	INCIN	29-Oct-03	0	40,380	0	0	0	0	1049	NYD08046993		
1	PNBC	NON		PNBC	NORLITE	ST021203	INCIN	31-Oct-03	0	18,260	0	0	0	0	1050	NYD08046993		
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	5-Nov-03	0	43,340	43,340	43,340	0	0	1051	NYG2884662		
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	2-Nov-03	0	43,005	43,005	43,005	0	0	1052	NYF2884671		
	MET/TOL MET/TOL	HAZ HAZ	D001, F003, F005 D001, F003, F005		NORLITE NORLITE	ST028503 ST028503	INCIN	3-Nov-03 4-Nov-03	0	41,760	41,760 46,180	41,760 46,180	0	0	1053 1054	NYG2884689 NYG2884698		-
	MET/TOL	HAZ	D001, F003, F005			ST028503	INCIN	10-Nov-03	0	46,180 41,460	41,460	41,460	0	0	1055	NYG2884707		·
			3551,1 555,1 555	1010227102	TOTALITE	0.02000		10 1101 00		11,100	41,400	11,100			1000	111102001101		
			F002, F003, F005,															
	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	11-Nov-03	0	300	300	300	0	0	1056	AR1363492	HAZMAT	
	NBA P-NITROPHENOLS	HAZ	D001		ENSCO	1453251		11-Nov-03	0	500	500	500	0	0	1056	AR1363492	HAZMAT	ļ
	MET/TOL	HAZ HAZ	U170 D001, F003, F005	EC 102E/ACI	ENSCO NORLITE	1453242 ST028503	INCIN	11-Nov-03 12-Nov-03	0	170 43,060	170 43,060	170 43,060	0	0	1056 1057	AR1363492 NYG3961512	HAZMAT	
	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	14-Nov-03		44,600	44,600	44,600	0	0	1058	NYG3961512		
	PETROLEUM WASTE	NON		10 1022//02	SAFETY CLN			12-Nov-03	24	175	0	7 1,000			1059		SAFETY CLN	
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503		17-Nov-03	0	46,680	46,680	46,680	0	0	1060	NYG3961539		
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503		21-Nov-03	0	44,900	44,900	44,900	0	0		NYG3961548		ļ
	SPENT CARBON SPENT CARBON	HAZ HAZ	F002, F003, F005 D001, F005			VANCHEMNY		25-Nov-03 25-Nov-03	0	10,000	10,000	0	0	10,000	1062	PAG475077 PAG475077		
	MET/TOL	HAZ	D001, F003 D001, F003, F005	FC-102E	NORLITE	VANBUSPNY ST028503		25-Nov-03 25-Nov-03	0 0	555 44,840	555 44,840	0 44,840	0	555 0	1062 1063		AUTUMN BFC	
	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	1-Dec-03	0	45,640	45,640	45,640	0	0	1063	NYG3961557		
			F002, F003, F005,		··-			. 200 00		,								
	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	2-Dec-03	0	15,200	15,200	15,200	0	0	1065		FREEHOLD	
	TOL/TMTC	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	2-Dec-03	0	2,000	2,000	2,000	0	0			FREEHOLD	
	P-NITROPHENOLS WASTE LIQUID	HAZ HAZ	U170 F002		ENSCO	1453242	INCIN	2-Dec-03	0	100	100	100	0	0			FREEHOLD	
	TOL/DEA	HAZ	D001, F005		ENSCO ENSCO	1434023 1328204	INCIN	2-Dec-03 2-Dec-03	0	100 250	100 250	100 250	0	0			FREEHOLD FREEHOLD	
- 1	- IOBBEN	11712	2001,1003		LINGCO	1320204	IIVOIIV	2-Dec-03		230	250	230			1003	AK1303317	REEHOLD	
1 1	MCB/HCL	HAZ	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	0	250	250	250	0	О	1065	AR1363517	FREEHOLD	
2 \	WASTE LIQUID	HAZ	D003, D021	HEGCI	ENSCO	1318824		2-Dec-03	0	500	500	500	0	0	1065	AR1363517	FREEHOLD	
			Dog															
اړ.	ACEITOL	LIAT	D001, F002, F003,	MDI	NOD! ITE	OTOC 4555	IN OR !	0.5	_	7.000	7000	7.000	_		4000	NIVO225555		
	ACE/TOL DDCB/HEPTANE	HAZ HAZ	F005, D021, D022 D001	NDI NDI	NORLITE NORLITE		INCIN	2-Dec-03 2-Dec-03	0	7,200 2,100	7,200 2,100	7,200 2,100	0	0		NYG3958524 NYG3958524		
	-DOUBLE IAINE	11/4	D001	ועטו	NORLITE	01021003	HACHA	2-1/60-03	<u> </u>	۷, ۱۷۵	2,100	۷,۱۷۵	<u> </u>	<u> </u>	1000	14 1 0 3 5 3 0 5 2 4	OM LED IND	
1			D001, F002, F003,					ļ										1
3 /	ACE/TOL	HAZ	F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	900	900	900	0	0	1066	NYG3958524	UNITED IND	
_].	loi (To)		D002, F002, F003,				,,,,,,,		_	[_		4	075400000		1
	HCL/TOL NON REG	HAZ	F005, D021, D001			2258ESTD2	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	1067	CTF1000391		<u> </u>
	NON REG	NON	 			0927DN4 0928DN4	INCIN INCIN	2-Dec-03 2-Dec-03	0	3,000 6,000	0 0	- 0	0	0		CTF1000391 CTF1000391		<u> </u>
14	TOTALLO	14014			IPKINGELOKI	U32UD114	INCHA	Z-D60-03	<u> </u>	0,000		U	U	U	1007	0111000391	CINITED IND	<u> </u>

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PE
QTY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gais	WT lbs	WT Ibs	WT lbs	WT lbs	RECOVERY	DOC NUM	MFST NUM	HAULER	CATEGOR
	NON REG	NON		WMOTE	NORLITE	ST034103	INCIN	2-Dec-03	ya is 0	400	0	0	0	0			UNITED IND	 _
	SODIUM HYDROXIDE	HAZ	D002, D005		CWM CHEM	BY1707	TREAT	3-Dec-03	0	400	400	0	400	0	1069	NYG3961296		
	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYW		16-Dec-03	0	15.000	15,000	0	0	15000	1070	PAG475079		
	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	18-Dec-03	0	44,340	44,340	44,340	0	0		NYG3961584		
	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503		22-Dec-03	<u> </u>	43,119	43,119	43,119	ō	0		NYG3961575		
	BZOH	NON		BFC	NORLITE	ST039703		23-Dec-03	0	47,020	0	0	0	Ö		NYR0000457242		
	NON REG	NON			BRIDGEPORT	0927DN4		23-Dec-03	0	2,400	0	0	0	Ö		CTF0563840		
	NON REG	NON			BRIDGEPORT	0927DN4		23-Dec-03	0	100	0	0	0	0	1074	CTF0563840		
1	NON REG	NON			NORLITE	ST004902	INCIN	23-Dec-03	0	300	0	0	0	0	1075	CTD02181688	UNITED IND	
15	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	o	1076	NYG3958227	LINETED IND	
	CHLOROBENZENE	HAZ	D001, F002, D021	NDI	+	ST004302		23-Dec-03	0	12,300	12,300	12,300	0	0		NYG3958227		
	ONLONOBLINZENE	1"4	0001,1002,0021	(VD)	HORLITZ	01040000	110111	20 000 00		12,000	12,000	12,000			1070	141 00000227	ONITED IND	
- 1		1	D001, F002, F003,															
2	ACE/TOL	HAZ	F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	600	600	600	0	0	1076	NYG3958227	UNITED IND	
	THF/MTBE	HAZ	D001		NORLITE	ST012403		23-Dec-03	0	1,200	1,200	1,200	0	0	1076	NYG3958227		
			D001, F002,							,								
15	MCB/HEPTANE	HAZ	D021, F005		NORLITE	ST021803	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1077	NYG3958245	UNITED IND	
	THF/MTBE	HAZ	D001	Z-Valine NCA		ST012403		23-Dec-03	0	300	300	300	0	Ö	1077	NYG3958245		
1			F002, F003, F005,												·			
12	HAZ WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	23-Dec-03	0	3,600	3,600	3,600	0	0	1078	AR1294484	FREEHOLD	
9	HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	0	2,700	2,700	2,700	0	0	1078	AR1294484	FREEHOLD	
	TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343		23-Dec-03	0	900	900	900	0	0	1078		FREEHOLD	
	NBI	HAZ	D001, D003		ENSCO	1453334		23-Dec-03	0	1,200	1,200	1,200	0	0	1078		FREEHOLD	
	NON REG	HAZ		•	ENSCO	1453335		23-Dec-03	00	600	600	600	0	0	1078	AR1294484	FREEHOLD	
	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503		29-Dec-03	0	46,220	46,220	46,220	0	0		NYG3961593		
	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503		29-Dec-03	0	45,360	45,360	45,360	0	0		NYG3961602		
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	0	46,653	46,653	46,653	0	0	1081	NYG3958695	BFC	
									102,270	2,836,159	4,708,144	2,103,471	436,588	120,286				
					1													
	***************************************						-		100.070	0.000.450	4 700 444	0.100.474	100 500	400 000			-	
									102,270	2,836,159	4,708,144	2,103,471	436,588	120,286	_			
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT lbs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
																		
																		
										2,359,182	996.46	466.46	490.21	26.05				-

2003 HAZARDOUS WASTE REPORT WORKSHEET -1st quarter waste tax.

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
	WASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	3-Jan-03	0	44,118	44,118	44,118	0	+ 0	928	MI7612373	BFC	
	WASTE NN DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	7-Jan-03	1,921	15,460	15,460	15,460	0	0	929	NYG2774691	BFC	
	WASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	10-Jan-03		44,223	44,223	44,223	0	0	930	MI8666864	BFC	
	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	10-Jan-03	0	39,800	39,800	0	39,800	0	931	NJA4087188	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	14-Jan-03	0	38,260	38,260	38,260	0	0	932	MI8688752	BFC	
	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	4,900	43,200	43,200	0	43,200	0	933	NJA4134265	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	0	33,220	33,220	0	33,220	0	934	NJA4134266	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC 102	ELDUPONT	OW11243	TREAT	28-Jan-03	0_	40,280	40,280	0	40,280	0	935	NJA4087194	BFC	****
	NO // EN // / FET //		D001, F003,										_					
	XYLENE/METH	HAZ	F005	TMBCI	EQ RESOURCE	J51201		29-Jan-03	0	42,660	42,660	42,660	0	0	936	MI8666863	BFC	
	TOL/AQUEOUS AMM	HAZ	D001, F005		ENSCO	1434065		29-Jan-03	0	1,200	1,200	1,200	0	0	937	AR1363888	FREEHOLD	
	PHENOL SOL THIONYL CL	HAZ	U188		ENSCO	1434066		29-Jan-03	0	900	900	900	0	0	937	AR1363888	FREEHOLD	
	BCF	HAZ HAZ	D002, D003	<u> </u>	ENSCO	1434068		29-Jan-03	0	300	300 300	300 300	0	0 0	937 937	AR1363888 AR1363888	FREEHOLD FREEHOLD	~
	WASTE SOLID	HAZ	F002, D003 F002, F003, F005, D021, D022		ENSCO	1434004		29-Jan-03	0	300				0				.,
			F002, F003, F005, D021,		ENSCO	1378178		29-Jan-03		2,100	2,100	2,100	0		937	AR1363888		<u> </u>
12	WASTE SOLID	HAZ	D022 D001, F002,		ENSCO	1378178	INCIN	29-Jan-03	0	3,900	3,900	3,900	00	0	937	AR1363888	FREEHOLD	
40	ACE/TOL	HAZ	F003, F005, D021, D022 D001, F002,		ENSCO	1419677	INCIN	29-Jan-03	0	12,000	12,000	12,000	0	0	937	AR1363888	FREEHOLD	
	ACETOL	1107	F003, F005,		}	1440077	INIOINI	00 1 00		000	000	000	•		007	A.D.4.000000	EDEELIOLD	
	ACE/TOL BCF	HAZ	D021, D022		ENSCO	1419677		29-Jan-03	0	900	900	900	0 	0 0	937	AR1363888		
	ВСГ	HAZ	D002, D003 D001, F005,		ENSCO	1434004	INCIN	29-Jan-03	0	300	300	300			937	AR1363888	FREEHOLD	
_1	TOL/METH	HAZ	F003 D001, F005,	FC102	EI DUPONT	OW11243	TREAT	30-Jan-03	0	42,780	42,780	0	42,780	0	938	NJA4087189	BFC	
	TOL/METH	HAZ	F003	FC102	EQ RESOURCE	J51201	INCIN	3-Feb-03	0	38,880	38,880	38,880	0	0	939	MI7513982	BFC	
	XYLENE/TMBCL	HAZ	D001, F003, F005, D002	TMBCL	EQ RESOURCE		INCIN	3-Feb-03	0	21,000	•	21,000	Ó	0	940	MI8688603	BFC	
				TMBCL/GCPC														
	XYLENE	HAZ	F003	F TMBCL/GCPC	CECOS	12472AAC	TREAT	4-Feb-03	4,974	41,480	41,480	0	41,480	0	944	NYG2775411	BFC	
1 2	XYLENE	HAZ	F003	F	CECOS	12472AAC	TREAT	4-Feb-03	4,885	40,740	40,740	0	40,740	0	945	NYG2775429	BFC	
_1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	5-Feb- <u>03</u>	0	43,680	43,680	43,680	0	0	941	MI7513981	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005	Plant TMBCL/GCPC	ENVIROTROL		RECYC	5-Feb-03	0	12,020	12,020	0	0	12,020	947	PAG366326	AUTUMN	
_1/2	XYLENE	HAZ	F003 D001, F005,	F	CECOS	12472AAC	TREAT	5-Feb-03	4,900	40,866	40,866	0	40,866	0	946	NYG2775393	FRANKS	
_1	TOL/METH	HAZ	F003 D001, F005,	FC102	EI DUPONT	OW11243	TREAT	6-Feb-03	0	40,080	40,080	0	40,080	0	942	NJA4087191	BFC	
	TOL/METH	HAZ	F003 D001, F005,	FC102	EI DUPONT	OW11243	TREAT	7-Feb-03	5,585	46,640	46,640	0	46,640	0	943	NYJ4087190	BFC	
	TOL/METH	HAZ	F003 D001, F003,	FC102	EQ RESOURCE	J51201	INCIN	10-Feb-03	0	44,140	44,140	44,140	0	0	949	MI7513980	BFC	
1 >	XYLENE/TMBCL	HAZ	F005, D002 F002, F003,	TMBCL	EQ RESOURCE	13556	INCIN	10-Feb-03	00	26,300	26,300	26,300	0	0	950	MI8688629	BFC	

2003 HAZARDOUS WASTE REPORT WORKSHEET -1st quarter waste tax.

Re	v	:

Rev : QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	12-Feb-03	5,284	45,580	45,580	0	45,580	0	951	NJA4087193	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	19-Feb-03	5.948	43,740	43,740	43,740	0	0	953	MI7513973	BFC	
	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243		20-Feb-03		47,600	47,600	0	47,600	0	953	NJA4087192	BFC	
	TOL/METH	HAZ	D001, F003, F005	FC102								44,040			955	MI7513972	BFC	
			D001, F003,		EQ RESOURCE	J51201		21-Feb-03		44,040	44,040		0	0				
- 1	TOL/METH	HAZ	F005 D001, F003,	FC102	EI DUPONT	OW11243	TREAT	21-Feb-03	5,461	46,140	46,140	0	46,140	0	954	NJA4087176	BFC	
1	TOL/METH	HAZ	F005 D001, F003,	FC102	EI DUPONT	OW11243	TREAT	28-Feb-03	5,151	42,340	42,340	0	42,340	0	956	NJA4134472	BFC	
1	TOL/METH	HAZ	F005	FC102	EQ RESOURCE	J51201	INCIN	3-Mar-03	5,713	42,180	42,180	42,180	0	0	957	MI7513974	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5-Mar-03	6,080	44,000	44,000	44,000	0	0	958	MI7513975	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	5-Mar-03	4,956	43,640	43,640	0	43,640	0	959	NJA4134473	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	7-Mar-03	5,241	45,560	45,560	0	45,560	0	960	NJA4134474	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	10-Mar-03	-	45,440	45,440	45,440	0	0	961	MI7513976	BFC	
			D001, F003,										44.500					
	TOL/METH	HAZ	F005 D001, F003,	FC102	EIDUPONT	OW11243	TREAT	11-Mar-03	5,208	44,520	44,520	0	44,520	0	962	NJA4134475	BFC	<u> </u>
1	TOL/METH	HAZ	F005 F002, F003,	FC102	NORLITE	0209-01	INCIN	13-Mar-03	5,363	41,640	41,640	41,640	0	0	963	NYG2773872	BFC	
			F005, D021,															
21	WASTE SOLID	HAZ	D022 F002, F003,		ENSCO	1378178	INCIN	14-Mar-03	0	5,250	5,250	5,250	0	0	966	AR1363880	FREEHOLD	
40	WACTE COLLD		F005, D021,			4070470	INOIN	444400		0.000	0.000	0.000	0			A D4000000		
16	WASTE SOLID	HAZ	D022 D001, D002,		ENSCO	1378178	INCIN	14-Mar-03	0	8,000	8,000	8,000	0	0	966	AR1363880	FREEHOLD	
	WASTE FLAM LIQUID	HAZ	F003		ENSCO	1419663		14-Mar-03		2,000	2,000	2,000	0	0			FREEHOLD	
6	WASTE LIQUID	HAZ			ENSCO	1434023	INCIN	14-Mar-03	0	3,000	3,000	3,000	0	0	966	AR1363880	FREEHOLD	
7	2-PROPANOL	HAZ	D001, F002, F003		ENSCO	1434024	INCIN	14-Mar-03	0	3,500	3,500	3,500	0	0	966	AR1363880	FREEHOLD	
	TOL/GCPCF	HAZ	D001, F005		ENSCO	1434090		14-Mar-03	0	500	500	500	0	0			FREEHOLD	
1	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03	0	500	500	500	0	0	966	AR1363880	FREEHOLD	
	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677		14-Mar-03		6,500	6,500	6,500	0	0		AR1363880	FREEHOLD	
			F002, F005,		LNOOU	1413077											REEROLD	
2	SPENT CARBON	HAZ	F003 D001, D002,		ENVIROTROL		RECYC	14-Mar-03	0	11,000	11,000	0	0	11,000	966	PAG366329	AUTUMN	····
2	MCF	HAZ	D003		ENSCO	1434070	TREAT	14-Mar-03	0	600	600	0	600	0	964	AR1363844	MS CARRIER	
19	NMETH2PYRO/ACE	HAZ	F002, F003, F005, D021		MARISOL INC	17144-20196-1	TREAT	14-Mar-03	0	7,250	7,250	0	7,250	0	965	NJA4134482	FREEHOLD	
	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	4,500	37,530	37,530		37,530	0	967	NYB5565168	BFC	
	RQ LIQUID	HAZ	F003	Z -Valine NCA		12342		21-Mar-03		36,104	36,104	0	36,104	0		NYB5565159		
	RQ LIQUID	HAZ	F003	Z -Valine NCA		12342-AAC		23-Mar-03		42,900	42,900	0	42,900	0		NYG2772126		
	RQ LIQUID	HAZ	F003	Z -Valine NCA		12342-AAC		24-Mar-03		39,820	39,820	0	39,820	0		NYG2772117		
-1	THF/HEPTANE	HAZ	D001 F002, F003,	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	25-Mar-03	0,228	44,040	44,040	44,040	0	0	971	MI8688943	BFC	
3	SPENT CARBON	HAZ	F005		ENVIROTROL		RECYC	26-Mar-03	15,000	15,000	15,000	0	0	15,000	972	PAG366330	AUTUMN	

2003 HAZARDOUS WASTE REPORT WORKSHEET -1st quarter waste tax.

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ΩTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL	DISP WT	HAZ WT	INCINERATION WT	WW WT	RECYCLE RECOVERY	MFST DOC	STATE MFST	HAULER	TONS PER CATEGORY
									gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
1	THF/HEPTANE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	27-Mar-03	6,104	41,140	41,140	41,140	0	0	973	MI8688942	BFC	
1	RQ LIQUID	HAZ	F003		CECOS	12342-AAC	TREAT	28-Mar-03	5,151	42,959	42,959	0	42,959	0	974	NYG2772135	BFC	
1	RQ LIQUID	HAZ	F003		CECOS	12342-AAC	TREAT	28-Mar-03	5,145	42,909	42,909	0	42,909	0	975	NYG2772144	BFC	
											1,776,729							
				•							888.36	378.05	487.27	23.05			888.36	

	TONS	DOLLARS
total tons generated	#REF!	
tons not subjet to assessment	23.1	
ton subject to assessment	#REF!	
tons incinerated	378.0	\$3,402.41
tons wwt	487.3	\$7,796.30
total assessment due		\$11,198.71

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				<u>L.</u>						L			<u></u> _	_
TOTALS							0.00	0.00	0.00	0.00	0.00			
			1404040	INIOIN	00 1 00		1 200		000	· · · · · · · · · · · · · · · · · · ·		007	1 45400000	lesecusial al
1 SANDBLAST	NON	EN	sco 1434043	INCIN	29-Jan-03		300	0	300	U	0	937		FREEHOLD
8 AVE/MACOL/H2O	NON	EN		INCIN	29-Jan-03	0	1,600	0	1,600	00	0	937	AR1363888	FREEHOLD
1 TBOCPHE	NON	EN	sco 1434073	INCIN	29-Jan-03		300	0_	300	0	0	937	AR1363888	FREEHOLD
5 PTSI RESIDUE	NON	EN	sco 225079	INCIN	29-Jan-03		1,500	0_	1,500	0	0	937	AR1363888	FREEHOLD
1 PNBC	NON	EN	sco 1434067	INCIN	29-Jan-03	0	300	0_	300	0	0	937	AR1363888	FREEHOLD
1 TMBA RESIDUE	NON	EN	sco 1434064	INCIN	29-Jan-03	0	300	00	300	0	0	937	AR1363888	FREEHOLD
2 HEGCL RAG LAYER	NON	EN	sco 1434069	INCIN	29-Jan-03	0	600	0	600	0	0	937	AR1363888	FREEHOLD
1 PETROLEUM WASTE	NON	SAFET	CLN NY10827JF	INCIN	4-Mar-03	0	156	0	156	0	0	961	TXR000050930	SAFETY CLN
6 PTSI RESIDUE	NON	ENSCO	225079	INCIN	14-Mar-03	0	3,000	0	3,000	0	0	966	AR1363880	FREEHOLD
4 USED DMF	NON	ENSCO	658592	INCIN	14-Mar-03	0	2,000	0_	2,000	0	0	966	AR1363880	FREEHOLD
2 USED OIL / WATER	NON	Maintenance SAFE	Y CLN 10827JF	TREAT	7-Feb-03	0	700	0	0	0	700	948	TXR000050930	SAFETY CLN

2003 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter was	ste tax.
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Rev			···														
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT lbs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULEF
1	THF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCES	14632	INCIN	4-Apr-03	6,060	43,540	43,540	43,540	0	0	975	MI8688944	BFC
1	THF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCI	E L55102	INCIN	9-Apr-03	5,668	42,497	42,497	42,497	0	0	976	MI8688945	BFC
1	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	10-Apr-03	0	6,000	6,000	0	0	6,000	977	PAG366331	AUTUMN
1	THF/MTBE	HAZ	D001, F003, F005	Z-Valine NCA	EI DUPONT	OW11243		10-Apr-03	5,000	43,420	43,420		43,420		978	NJA4134346	BFC
			F002, F003, F005, D021,					<u>-</u>					·				
16	WASTE SOLID	HAZ	D022 F002, F003,		ENSCO	1378178	INCIN	21-Apr-03		6,500	6,500	6,500	0	0	979	AR1363670	SJ TRANS
13	WASTE SOLID	HAZ	F005, D021, D022 F002, F003,		ENSCO	1378178	INCIN	21-Apr-03		5,200	5,200	5,200	0	0	979	AR1363670	SJ TRANS
	MCB, HCL	HAZ	F005, D021, D022	PTSI	ENSCO	1434112	INCIN	21-Apr-03		13,600	13,600	13,600	0	o	979	AR1363670	SJ TRANS
	BCF	HAZ	D002, D003 D001, D002,		ENSCO	1434004		21-Apr-03		400	400	400	0	0	979	AR1363670	SJ TRANS
	IPCF PTSI RESIDUE	HAZ NON	D003		ENSCO BRIDGEPORT	1434116 0928DN4	INCIN	21-Apr-03 21-Apr-03		74 3,000	74	74	0	0	979 980	AR1363670 CTF0563836	SJ TRANS UNITED IN
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022			ST004501	INCIN	21-Apr-03		900	900	900	0	0	981	NYG2772648	UNITED IN
33	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		9,900	9,900	9,900	0	0	981	NYG2772648	UNITED IN
	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022			ST004502	INCIN	21-Apr-03		500	500	500	0	0	981	NYG2772648	UNITED IN
	PROPANOL	HAZ	D001, F002			ST010503	INCIN	21-Apr-03		300	300	300	0	0	982	NYG2772657	UNITED IN
	WASTE LIQUID THF/MTBE	HAZ HAZ	F002 D001	Z-Valine		ST010603 ST012403	INCIN	21-Apr-03		600	600	600	0 0	0	982	NYG2772657	UNITED IN
	THF/MTBE	HAZ	D001	Z-Valine		ST012403	INCIN	21-Apr-03 23-Apr-03	5,544	42,760 42,740	42,760 42,740	42,760 42,740	0	0	983 984	NYG2772675 NYG2772684	BFC
1	WASTE LIQUID	HAZ	F003		i	12342AAD	TREAT	24-Apr-03	5,570	48,940	48,940	0	48,940	0	985	NYG2772774	BFC
_1	WASTE LIQUID	HAZ	F003		CECOS	12342AAD	TREAT	24-Apr-03	5,310	43,320	43,320	0	43,320	0	986	NYG2772756	BFC
1	THF/MTBE	HAZ	D001 D001, D003,	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	5,430	41,140	41,140	41,140	0	0	987	NYG2772693	BFC
_1	TOL/TMTC	HAZ	F005	TMTC Z-Valine	ENSCO	1392551	INCIN	5-May-03		500	500	500	0	0	988	AR1363361	MS CARRI
	THF/MTBE DMF	HAZ HAZ	D001	NCA		ST010903 ST010202	INCIN INCIN	30-Apr-03 5-May-03	5,570 0	46,860 17,240	46,860 17,240	46,860 17,240	0	0	988 990	NYG2772513 NYG2887074	BFC BFC
	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	9-May-03	0	15,000	15,000	0	0	15,000		PAG366333	AUTUMN
	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	14-May-03	6,290	48,433	48,433	48,433	0	0	992	NYG2772702	BFC
1/1	NAOH/BARIUM	HAZ	D002, D005	Plant	CWM CHEM	BY1701	TREAT	15-May-03	0	430	430	0	430	1 1	993	NYG2887497	FREI

i -	ISTE RIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	CODE	DISP	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULEF
88 WASTE LIQUID)	HAZ	F002, F005, D021	PT-16 sludge	NORLITE	ST015103	INCIN	19-May-03	0	47,903	47,903	47,903	0	0	994	NYG2887479	UNITED
1 THF/MTBE		HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	19-May-03	5,923	39,210	39,210	39,210	0	0	995	NYG2772711	BFC
1 THF/MTBE		HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	21-May-03	0	45,092	45,092	45,092	0	0	996	NYG2772531	BFC
1 PETROLEUM \	VASTE	NON			SAFETY CLN	10827JF	INCIN	30-May-03	25						997	TXR000050930	SAFETY
3 SPENT CARBO	ON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	11-Jun-03	0	11,000	11,000	0	0	11,000	998	PAG366334	AUTUMN
1 TOL/DMF		HAZ	D001, F005	ACL	NORLITE	ST014802	INCIN	16-Jun-03	5,238	44,700	44,700	44,700	0	0	999	NYG2886381	BFC
2 SPENT CARBO	DN	HAZ	F002, F003, F005	Plant	ENVIROTROL.		RECYC	17-Jun-03	0	7,500	7,500	0	0	7,500	1000	PAG366335	AUTUMN
1 TOL/DEA		HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	20-Jun-03	0	44,280	44,280	44,280	0	0	1001	NYG2886444	BFC
5 SPENT CARBO	N	HAZ	F002	HEGCI	CALGON CAR		RECYC	25-Jun-03	0	5,000	5,000	0	0	5,000	1002	NYG2772153	HAZMAT
1 TOL/DEA		HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	25-Jun-03	5,850	43,760	43,760	43,760	0	0	1003	NYG2887902	BFC
1 SPENT CARBO	N	HAZ	F002, F003, F005		ENVIROTROL		RECYC	27-Jun-03	0	5,000	5,000	0	0	5,000	1004	PAG366336	AUTUMN
1 TOL/DEA		HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03		42,190	42,190	42,190	0	0	1005	NYG2887903	BFC
		 							·	859,429	856,429	670,819	136,110	49,500		<u> </u> 	

2003 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

R	Rev WASTE HAZ/ EPA PROCESS DISP SHIP DISP DISP HAZ INCINERATION WW RECYCLE MFST STATE TONS PER																	
	WASTE	HAZ	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
דב	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
1_		1		WASTE	1	CODE	}	1	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	1	
	SPENT CARBON	HAZ	F002		CALGON CAR	CAN2542R	RECYC	1-Jul-03	0	4,000	4,000	0	0	4,000	1006	NYG2885517	HAZMAT	
	TOL/DEA	HAZ	D001, F005	HEGC	NORLITE	ST014802	INCIN	3-Jul-03	####	27,140	27,140	27,140	0	0	1007	NYG2887929	BFC	
			D002, F002, F003,									1						
	HCL	HAZ	F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	42,440	42,440	0	42,440	0	1008	NYG2885679	FREEHOLD	<u> </u>
1	1		D002, F002, F003,															7
	HCL	HAZ	F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	41,780	41,780	0	41,780	0	1009	NYG2885787	FREEHOLD	<u></u>
			D002, F002, F003,															
<u> </u>	HCL	HAZ	F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	####	13,640	13,640	0	13,640	0	1010	NYG2885661	FREEHOLD	
1			H`F002, F003,]	ļ		ļ	,		ļ	1			ļ	
	CARBON/TOL	HAZ	F005		ENVIROTROL	CHEMNY-WW		10-Jul-03	0	10,000	10,000	0	0	10,000		PAG366337	AUTUMN	<u> </u>
	CARBON/MCB		D001, D021, F002		ENVIROTROL	VDMNY-AF		10-Jul-03	0	365	365	0	0	365		PAG366337	AUTUMN	<u> </u>
\vdash	CARBON/MTBE	HAZ			ENVIROTROL	BUSPNY-AF		10-Jul-03	0	1,900	1,900	0	0	1,900	1011	PAG366337	AUTUMN	
25	MACTE COLID		F002, F003, F005,			10-1-1		40 1 100		0.000	0.000	0.000			4645	A D 4 000004		
35	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	9,000	9,000	9,000	0	0	1012	AR1363634	HAZMAT	<u> </u>
] ,	WASTE SOLID	1107	F002, F003, F005,			4070470		40			000	000)	4040	A D 4 0 0 0 0 0 4		}
	TMTC	HAZ	D021, D022		ENSCO	1378178		18-Jul-03	0	600	600	600	0	0		AR1363634	HAZMAT	
 - '	TIVITO	HAZ	D003, F005 D001, F002, F003,		ENSCO	1393020	INCIN	18-Jul-03	0	300	300	300	0	0	1012	AR1363634	HAZMAT	-
25	ACE/TOL	U/2	F005, D021, D022		NODUTE	ST004502	INICINI	10 111 03		12 500	12,500	12,500	0	0	1013	NYG28885742	UNITED IND	
123	AOL/10L	TIAL	D001, F002, F003,		NORLITE	ST004502	INCIN	18-Jul-03	0_	12,500	12,500	12,500	<u> </u>	J	1013	N1 G20003742	CINITED IND	
1 4	ACE/TOL	НД	F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	2,000	2,000	2,000	0	0	1013	NYG28885742	UNITED IND	
-	7.02,102		D002, F002, F003,		INORLITE	31004302	INCIN	10-341-03		2,000	2,000	2,000			1013	141 020003742	ONITEDIND	
່ 13	HCL/TOL		F005, D021, D001		NORLITE	ST021203	INCIN	18-Jul-03	0	1,000	1,000	1,000	0	0	1013	NYG28885742	UNITED IND	
-	NON REG	NON	1 000, 2021, 2001		BRIDGEPORT	0927DN4	INOIN	18-Jul-03	0	1,200	1,000	0	0	0		CTF1140738	UNITED IND	
	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		18-Jul-03	0	7,200	0	0	0	0		CTF1140738	UNITED IND	
_	NON REG	NON			BRIDGEPORT	0929DN4		18-Jul-03	0	400	0	0	0	0		CTF1140738	UNITED IND	
			D001, F002, D021,		DI NOCE ON													
1	DCB/HEPTANE	HAZ	F003	NDI	NORLITE	ST021803	INCIN	29-Jul-03	####	35,200	35,200	35,200	0	l o '	1016	NYG2885931	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TREAT	30-Jul-03	0	9,000	9,000	Ó	0	9,000	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005			BUSPNY-AF	TREAT	30-Jul-03	0	250	250	0	0	250	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF	TREAT	30-Jul-03	0	286	286	0	0	286	1017	PAG475009	AUTUMN	
			D001, F002, D021,															
	DCB/HEPTANE	HAZ	F003	NDI	NORLITE	ST021803	INCIN	30-Jul-03	####	31,940	31,940	31,940	0	0		NYG2885922	UNITED IND	<u> </u>
	SODIUM HYDROXIDE	HAZ	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03			10,550	0	10,550	0		NJA4136113	HM HTTC RES	TEAM
_	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF		18-Aug-03		169	0	0	0	0		NYD175773779	SAFETY CLN	
_1	DMF/HEPTANE	HAZ	D001	ACL	NORLITE	ST025003	INCIN	29-Aug-03	0	27,000	27,000	27,000	0	0	1020	NYG2885274	BFC	<u> </u>
	MODIFIE		D001, F002, F003,						l l					[
	MCB/DMF	HAZ	D021, F005	NDI	NORLITE	ST021803	INCIN	3-Sep-03			38,540	38,540	0	0		NYG2885211	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TREAT	4-Sep-03	0	9,000	9,000	0	0	9,000	1021	PAG475008	AUTUMN	ļ
	MACD/DNAF		D01, F002, F003,	NIP.				4.0	,,,,,,	00.445	00.440	00.440	_		4000	NIVODOSESEE]]
1	MCB/DMF	HAZ	D021	NDI	NORLITE	ST021803	INCIN	4-Sep-03	####	30,140	30,140	30,140	U	0	1022	NYG2885355	UNITED IND	
62	WASTE SOLID		F002, F003, F005,		ENDOC	4070475	INIOINI	4.0		40.000	40.000	19 000	0		1000	AD4262756	EDECHO: 5	
	TBI	HAZ	D021, D022 D001, D003		ENSCO	1378178	INCIN	4-Sep-03	0	18,600	18,600	18,600	0	0		AR1363756 AR1363757	FREEHOLD FREEHOLD	
	PNBC	NON	טטטו, טטטט		ENSCO	1453219	INCIN	4-Sep-03	0	1,900	1,900	1,900 0	0	0				-
	PCF		D002, D003, D001			ST021203	INICINI	5-Sep-03			0 16,200	16,200	0	0		AR1363758	BFC SJ TRANS	
	WASTE SOLID	HAZ	D002, D003, D001		ENSCO ENSCO	1434416 1453220	INCIN INCIN	4-Sep-03 4-Sep-03	0	16,200 275	275	275	0	0		AR1363758	SJ TRANS	
	OMF/TOL		D001, F003, F005	NDI					0	39,820		39,820	0	0		NYG2884941	BFC	
	21411 / I OL	111/4	D001, F003, F003	וטא	NORLITE	ST023302	INCIN	16-Sep-03	0	<i>ა</i> ಶ,0∠∪	J9,02U	3 3 ,020	U	<u>_</u>	1021	111 92004941	IDLO	l

2003 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

QTY	0
1	TOL/M

WASTE	HAZ/	1	PROCESS	TSDF	47777741	DISP	SHIP DATE	DISP	DISP	HAZ WT	INCINERATION	WW	RECYCLE	MFST	STATE	UALII ED	TONS PER
TY DESCRIPTION	NON	CODES	GEN WASTE	1906	APPROVAL CODE	METHOD	DATE	gals	lbs	lbs	WT lbs	WT lbs	RECOVERY	DOC	MFST NUM	HAULER	CATEGOR
1 TOL/METH	HAZ	D001, F005, F003	NDI	NORLITE	ST028503	INCIN	18-Sep-03	0	44,940	44,940	44,940	0	0	1028	NYG2884518	BFC	
		D001, F002, F003,						-									-
20 ACE/TOL	HAZ	F005, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	6,000	6,000	6,000	0	0	1029	NYG2887749	UNITED IND	<u> </u>
1 WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	18-Sep-03	0	300	300	300	0	0	1029	NYG2887749	UNITED IND	
		D001, F002, D021,														1	
1 DCB/HEPTANE	HAZ	F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	350	350	350	0	0	1029	NYG2887749	UNITED IND	
		D001, F002, F003,													i		
5 ACE/TOL	HAZ	D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	1,500	1,500	1,500	0	0	1030	NYG2885004	UNITED IND	<u> </u>
4 DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	18-Sep-03	0	1,200	1,200	1,200	0	0	1030	NYG2885004	UNITED IND	
		D001, F002, D021,						Ī				•					
2 DCB/HEPTANE	HAZ	F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	600	600	600	0	0	1030	NYG2885004	UNITED IND	
1 PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	18-Sep-03	0	300	300	300	0	0	1030	NYG2885004	UNITED IND	
1 TRIETHYLPHOSPHATE	NON			NORLITE	ST027003	INCIN	18-Sep-03	0	300	0	0	0	0	1031	CTD021816889	UNITED IND	
1 MAGNESIUM SULFATE	NON			BRIDGEPORT	2643EN4	INCIN	18-Sep-03	0	300	0	0	0	0		CTF1132553	UNITED IND	
1 L-PHENYLALANENE	NON			BRIDGEPORT	2642EN4	INCIN	18-Sep-03	0	50	0	0	0	0		CTF1132553	UNITED IND	
5 WASTE SOLID	NON			BRIDGEPORT	0927ON4	INCIN	18-Sep-03	0	2,000	0	0	0	0		CTF1132553	UNITED IND	
8 PTSI RESIDUE	NON			BRIDGEPORT	0926DN4	INCIN	18-Sep-03	0	4,800	0	0	0	0	1032	CTF1132553	UNITED IND	
1 MET/TOL	HAZ	D001, F003, F005	FC 102	NORLITE	ST028503	INCIN	22-Sep-03	0	19,620	19,620	19,620	0	0	1033	NYG2884563	BFC	
		F002, F003, F005,]			ĺ]	
1 WASTE SOLID	HAZ	D021, D022		ENSCO	1378178		24-Sep-03	0	300	300_	300	_ 0	0	1034	AR1363770	HAZMAT	
1 BATTERIES	NON			ENSCO	1449246	RECYC	24-Sep-03	0	30	0	0	0	30	1034	AR1363770	HAZMAT	

pounds

554,335 510,476

367,265 108,410

34,831

17.4

tons

277.2 255.2

183.6 54.2

2004HAZARDOUS	WASTE REPORT	WORKSHEET	-
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Rev WASTE HAZ/ EPA **PROCESS** DISP SHIP DISP HAZ WW MFST STATE INCINERATION RECYCLE TONS PER DESCRIPTION NON CODES GEN **TSDF** APPROVAL **METHOD** DATE WT WT DOC MEST HAULER WT WT RECOVERY **CATEGORY** WASTE CODE NUM NUM ibs lbs lbs lbs lbs WASTE LIQUID HAZ F003 Scrubber CECOS 12342 TREAT 7-Oct-03 21,017 21,017 0 21,017 1035 NYG3961944 BFC SPENT CARBON HAZ F002, F003, F005 AUTUMN ENVIROTROL CHEMNY-WW TREAT 15-Oct-03 10,000 10,000 10,000 O 1036 PAG366338 0 SPENT CARBON HAZ D001, F005 ENVIROTROL BUSPNY-AF TREAT 15-Oct-03 400 400 0 0 400 1036 PAG366338 AUTUMN MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE INCIN 15-Oct-03 41,920 41,920 1037 ST028503 41,920 Λ n NYG2884572 SOD HYD/SOD CL HAZ D002, F002, F005 Scrubber CECOS 12342-AAE TREAT 16-Oct-03 44,683 44,683 0 44.683 0 1038 NYG3959478 BFC SOD HYD/SOD CL HAZ D002, F002, F005 Scrubber 12342AAE 17-Oct-03 41,200 41,200 Icecos TREAT 0 41,200 0 1039 NYG3959496 BFC SOD HYD/SOD CL HAZ D002, F002, F005 Scrubber CECOS 12342AAE TREAT 17-Oct-03 39,732 39,732 0 39,732 0 1040 NYG3959487 BFC MET/TOL HAZ D001, F003, F005 C-102E/ACL NORLITE ST028503 INCIN 37,020 37,020 0 21-Oct-03 37,020 0 1041 NYG2884599 SOD HYD/SOD CL HAZ D002, F002, F005 12342AAE TREAT CECOS 21-Oct-03 45,036 45,036 0 45,036 0 1042 NYG3959361 BFC WASTE LAMPS NON ENSCO 23-Oct-03 400 0 0 0 0 1043 996867 FREEHOLD MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 23-Oct-03 39,280 39,280 39,280 0 0 1044 NYG2884608 MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 24-Oct-03 41,480 41,480 41,480 0 1045 NYG2884617 BFC MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 27-Oct-03 46,580 0 NYG2884626 BFC 46,580 46,580 0 1046 MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 29-Oct-03 40,860 40.860 40,860 0 1047 NYG2884635 MET/TOL FC-102E/ACL NORLITE HAZ D001, F003, F005 ST028503 INCIN 3-Nov-03 43,020 43,020 43,020 0 1048 NYG2884653 BFC PNRC NON 29-Oct-03 PNBC NORLITE ST021203 INCIN 40,380 0 0 0 0 1049 NYD080469935 UNITED IND NON **PNBC** PNBC NORLITE ST021203 31-Oct-03 18,260 0 1050 INCIN 0 0 NYD080469935 UNITED IND MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 5-Nov-03 43,340 43,340 43,340 0 0 1051 NYG2884662 MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 2-Nov-03 43,005 43,005 43,005 0 0 1052 NYF2884671 BFC MET/TOL HAZ FC-102E/ACL NORLITE D001, F003, F005 ST028503 INCIN 41,760 0 3-Nov-03 41,760 41,760 0 1053 NYG2884689 MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 4-Nov-03 46,180 46,180 46,180 n 0 1054 NYG2884698 BFC MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 10-Nov-03 41,460 41,460 41,460 0 1055 NYG2884707 F002, F003, F005, D021 WASTE SOLID HAZ D022 1378178 INCIN 11-Nov-03 300 300 300 0 1056 AR1363492 **ENSCO** 0 HAZMAT NBA HAZ D001 1453251 0 AR1363492 ENSCO INCIN 11-Nov-03 500 500 500 0 1056 HAZMAT P-NITROPHENOLS HAZ U170 ENSCO 1453242 INCIN 11-Nov-03 170 170 170 0 1056 AR1363492 HAZMAT MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 43,060 43,060 0 1057 NYG3961512 12-Nov-03 43,060 0 BFC MET/TOL HAZ D001, F003, F005 FC-102E/ACL NORLITE ST028503 INCIN 14-Nov-03 44,600 44,600 44,600 0 0 NYG3961521 PETROLEUM WASTE NON SAFETY CLN 10827JF 12-Nov-03 175 0 1059 103788726 SAFETY CLN MET/TOL HAZ D001, F003, F005 FC-102E NORLITE ST028503 INCIN 17-Nov-03 46,680 46,680 46,680 0 1060 NYG3961539 BFC 0 MET/TOL HAZ D001, F003, F005 FC-102E NORLITE ST028503 INCIN 21-Nov-03 44,900 0 1061 NYG3961548 44,900 44,900 0 BEC SPENT CARBON HAZ F002, F003, F005 ENVIROTROL 25-Nov-03 PAG475077 VANCHEMNY TREAT 10,000 10.000 Ó 0 10,000 1062 AUTUMN SPENT CARBON HAZ D001, F005 ENVIROTROL VANBUSPNY TREAT 25-Nov-03 555 555 0 555 1062 PAG475077 AUTUMN MET/TOL HAZ D001, F003, F005 FC-102E NORLITE 44,840 ST028503 INCIN 25-Nov-03 44,840 44,840 0 0 1063 NYG3961566 BFC MET/TOL HAZ D001, F003, F005 FC-102E NORLITE ST028503 INCIN 1-Dec-03 45,640 45,640 0 1064 NYG3961557 45,640 0 BFC F002, F003, F005, D021, WASTE SOLID HAZ D022 **ENSCO** 1378178 INCIN 2-Dec-03 15,200 15,200 15,200 AR1363517 FREEHOLD TOL/TMTC HAZ D001, D003, F005 ENSCO INCIN 1065 AR1363517 1392551 2-Dec-03 2,000 2,000 2,000 0 0 FREEHOLD P-NITROPHENOLS HAZ U170 **ENSCO** 2-Dec-03 AR1363517 1453242 INCIN 0 1065 100 FREEHOLD 100 100 0 WASTE LIQUID HAZ F002 **ENSCO** 1434023 INCIN 2-Dec-03 100 100 100 0 0 1065 AR1363517 FREEHOLD TOL/DEA HAZ D001, F005 **ENSCO** 250 250 1065 AR1363517 1328204 INCIN 2-Dec-03 250 0 0 FREEHOLD MCB/HCL HAZ D001, D002, F003 ENSCO 1065 AR1363517 1434112 INCIN 2-Dec-03 250 250 250 0 FREEHOLD WASTE LIQUID HAZ D003, D021 HEGCI ENSCO 0 1065 AR1363517 1318824 INCIN 500 500 500 0 FREEHOLD 2-Dec-03

2002 4TH QUARTER WASTE TAX

2004HAZARDOUS	WASTE REPORT	WORKSHEET

WASTE	HAZ/	EPA	PROCESS	TODE		DISP	SHIP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE	HALLED	TONS PER
DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
			WASTE	 	CODE			lbs	lbs	lbs	lbs	lbs	NUM	MUM		·
40550	1147	D001, F002, F003, F005,	No	NOBLITE	0.7004500	MOIN	0.5 00	7.000	7 000	7 000		0	4000	NIXOGOFOFO		
ACE/TOL	HAZ	D021, D022	NDI NDI	NORLITE	ST004502	INCIN	2-Dec-03	7,200	7,200	7,200	0	0	1066	NYG3958524	UNITED IND	
ODCB/HEPTANE	HAZ	D001	וטא	NORLITE	ST021803	INCIN	2-Dec-03	2,100	2,100	2,100	<u> </u>	U	1066	NYG3958524	UNITED IND	
A OF TO	1147	D001, F002, F003, F005,	NDI	NODUTE	07004500	INCIN	0.0 00	000	000	000	0	l n	1066	NIVO2050504	LINUTED IND	
ACE/TOL	HAZ	D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	900	900	900	<u> </u>	U	1066	NYG3958524	UNITED IND	
HOL TO!	1107	D002, F002, F003, F005,			2258ESTD2L	INCIN	2-Dec-03	0.400	2,100	2.100	0	n	1067	CTF1000391	UNITED IND	
HCL/TOL	HAZ	D021, D001		BRIDGEPORT	0927DN4	INCIN	2-Dec-03	2,100 3.000	2,100	2,100	0	0	1067	CTF1000391	UNITED IND	
NON REG	NON			BRIDGEPORT	0928DN4	INCIN	2-Dec-03		0	0	0	0	1067	CTF1000391	UNITED IND	
NON REG	NON	 		BRIDGEPORT NORLITE		INCIN	2-Dec-03	6,000 400	0	0	0	0	1067	CTV31324	UNITED IND	
NON REG SODIUM HYDROXIDE	NON HAZ	D002, D005			ST034103 BY1707	TREAT	3-Dec-03	400	400	0	400	0	1069	NYG3961296	FREEHOLD	
SPENT CARBON	HAZ	F002, F003, F005	ļ	CWM CHEM ENVIROTROL	CHEMNYWV	RECYC	16-Dec-03	15,000	15,000	0	0	15000	1070	PAG475079	AUTUMN	
MET/TOL	HAZ	D001, F003, F005	FC-102E		ST028503	INCIN	18-Dec-03	44,340	44,340	44,340	0	0	1070	NYG3961584	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE NORLITE	ST028503	INCIN	22-Dec-03	43,119	43,119	43,119	0	0	1071	NYG3961575	BFC	
BZOH	NON	D001, F003, F005	BFC		ST028503 ST039703	INCIN	23-Dec-03	47.020	0	0	0	0	1072	NYR0000457242	BFC	
NON REG	NON		ВГС	NORLITE BRIDGEPORT	0927DN4	INCIN	23-Dec-03	2.400	0	0	0	0	1073	CTF0563840	UNITED IND	
NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	100	0	0	0	0	1074	CTF0563840	UNITED IND	
NON REG	NON			NORLITE	ST004902	INCIN	23-Dec-03	300	0	0	0	0	1074	CTD021816889		
NON REG	NON	D001, F002, F003, F005,		NONLITE	31004902	INCHA	23-Dec-03			U	<u> </u>	- 0	1075	C1 D02 10 1000s	TOMITED IND	
ACE/TOL	HAZ	D001, P002, P003, P003, P003, D021. D022	ļ	NORLITE	ST004502	INCIN	23-Dec-03	4,500	4,500	4.500	0	0	1076	NYG3958227	UNITED IND	
CHLOROBENZENE	HAZ	D021, B022	NDI	NORLITE	ST040003	INCIN	23-Dec-03	12,300	12,300	12,300	0	0	1076	NYG3958227	UNITED IND	
CHLOROBENZENE	IIAZ	D001, F002, B021	INDI	INOINLITE	31040003	INCIN	23-Dec-03	12,500	12,300	12,300			1070	141 03930221	ONITEDIND	
ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	600	600	600	ا ا	o	1076	NYG3958227	UNITED IND	1
THF/MTBE	HAZ	D021, D022		NORLITE	ST012403	INCIN	23-Dec-03	1,200	1,200	1,200	 0	0	1076	NYG3958227	UNITED IND	
MCB/HEPTANE	HAZ	D001, F002, D021, F005		NORLITE	ST021803	INCIN	23-Dec-03	4,500	4,500	4,500	0	Ö	1077	NYG3958245	UNITED IND	+
THF/MTBE	HAZ		Z-Valine NCA		ST012403	INCIN	23-Dec-03	300	300	300	0	0	1077	NYG3958245	UNITED IND	
TTII /WIT D.C.	3 1/42	F002, F003, F005, D021,	Z-Vallie 140/1	HORLITE	01012400	IIIOIII	20 000 00		000	- 000	_ 			141 00000210	ONTEDINO	<u> </u>
HAZ WASTE SOLID	HAZ	D022	ļ	ENSCO	1378178	INCIN	23-Dec-03	3.600	3,600	3,600	0	o	1078	AR1294484	FREEHOLD	į.
HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	2,700	2,700	2,700	0	ō	1078	AR1294484	FREEHOLD	
TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343	INCIN	23-Dec-03	900	900	900	0	Ö	1078	AR1294484	FREEHOLD	
NBI	HAZ	D001, D003		ENSCO	1453334	INCIN	23-Dec-03	1,200	1,200	1,200	0	0	1078	AR1294484	FREEHOLD	
NON REG	HAZ	1 2001, 2000	 	ENSCO	1453335	INCIN	23-Dec-03	600	600	600	0	0	1078	AR1294484	FREEHOLD	1
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	46,220	46,220	46,220	0	0	1079	NYG3961593	BFC	
MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	29-Dec-03	45,360	45,360	45,360	0	0	1080	NYG3961602	BFC	
MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	31-Dec-03	46,653	46,653	46,653	0	0	1081	NYG3958695	BFC	
	 	1 300., 1000, 1000	1		15.02000			,,,,,,,,	1.5,555	.0,000	_			1		†
	<u> </u>		•				·	1 411 845	1,293,410	1,065,387	102.068	35,955				

TOTAL WEIGHT

	TONS	DOLLARS
total tons generated	646.71	
tons not subjet to assess	17.98	
ton subject to assessmer	628.73	
tons incinerated	532.69	\$4,794.24
tons wwt	96.03	\$1,536.54
total assessment due		\$6,330.79

1,293,410

646.705

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PE
QTY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gais	WT lbs	WT lbs	WT lbs	WT lbs	RECOVERY lbs	DOC NUM	MFST NUM	HAULER	CATEGORY
1	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	2-Jan-04	0	40,420	40,420	40,420	0	- 0	1082	NYG3958029	BFC	
	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE		INCIN	5-Jan-04	Ö	41,240	41,240	41,240	<u>ŏ</u> _	1 0	1082	NYG3958704		
	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	INCIN	6-Jan-04	0	13,330	13,330	0	0	13,330	1083	PAG475080		
	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY	INCIN	6-Jan-04	0	203	203	0	0	203	1083	PAG475080		<u> </u>
	MET/TOL MET/TOL	HAZ HAZ	D001, F003, F005 D001, F003, F005	FC-102 FC-102	NORLITE NORLITE		INCIN	7-Jan-04 14-Jan-04	0	46,480 43,800	46,480 43,800	46,480 43,800	0	0	1084 1085	NYG3958713 NYG3958722		
	MET/TOL	HAZ	D001, F003, F005	FC-102		ST028503	INCIN	19-Jan-04	0	37,340	37,340	37,340	0	1 0 1	1086	NYG3958731		
	THF/MTB	HAZ	D001	L-Val	NORLITE		INCIN	23-Jan-04	0	40,100	40,100	40,100	0	Ö	1087	NYG3958389	BFC	
1	HCL	HAZ	D002, D021, F002, F005	L-Val	FORES	A59404OTS	INCIN	26-Jan-04	0	17,780	17,780	17,780	0	0	1088	MI9049694	FREE	
	THF/MTB	HAZ	D001	L-Val	NORLITE		INCIN	27-Jan-04	0	46,080	46,080	46,080	0		1089	NYG3958398		
	SPENT CARBON	HAZ	F002, F003, F005			CHEMNY	TREAT	29-Jan-04	ō	4,446	4,446	0	0	4,446	1090	PAG475082	AUTUMN	
	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY		29-Jan-04	0	344	344	0	0	344	1090	PAG475082	AUTUMN	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	30-Jan-04	0	43,600	43,600	43,600	0	0	1091	NYG3958407	BFC	
4	HCL/THF	HAZ	D002, D021, F002, F005, D001	L-Val	EQ RES	A59404	INCIN	2-Feb-04	0	27,240	27,240	27,240	0	0	1092	MI9049638	FREE	
	THF/MTB	HAZ	D001	L-Val	NORLITE		INCIN	3-Feb-04	0	46,960	46,960	46,960	0		1092	NYG3958416	BFC	
	THF/MTB	HAZ	D001	L-Val	NORLITE		INCIN	4-Feb-04	ō	46,540	46,540	46,540	0	0	1094	NYG3958425		
			D001, F002,															
	ODCB/HEP	HAZ	D021, F005	NDI		ST026003	INCIN	5-Feb-04	00	200	200	200	0	0	1095	NYG4335255		
4	ACE/TOL	HAZ	D001 D001, F002,		NORLITE	S1004502	INCIN	5-Feb-04	00	1,200	1,200	1,200	0	0	1095	NYG4335255	UNITED IND	
16	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	0	4,800	4,800	4,800	0	0	1095	NYG4335255	UNITED IND	,
1			D001, F002, F003,															
33	ACE/TOL	HAZ	F005, D021, D022		NORLITE	ST004502	INCIN	5-Feb-04	0	9,900	9,900	9.900	0	0	1095	NYG4335255	UNITED IND	,
2	NON BOH	NON			NORLITE		INCIN	5-Feb-04	0	400	0	400	0	0	1096	CTD021816889	UNITED IND	
			D000 5000 5000															
3	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2250557021	RECYC	5-Feb-04	0	900	900	0	0	900	1097	CTF1144398	LINITED IND	
	NON REG SOLIDS	NON	1 003, 0021, 0001		BRIDGEPORT		RECYC	5-Feb-04		600	0	0 1	0	600	1097	CTF1144398		
3	NON REG PTSI	NON			BRIDGEPORT		RECYC	4-Feb-05	0	1,500	0	0	0	1,500	1097	CTF1144398		
1	HCL/TOL	HAZ	D002		BRIDGEPORT	2258ESTD2L	RECYC	4-Feb-05	0	350	350	0	0	350	1097	CTF1144398	UNITED IND	
12	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	5-Feb-04	0	3,600	3,600	3,600	0	0	1098	AR1442220	FREE	
1	IBCF	HAZ	D002, D003, D001		ENSCO	1453346	INCIN	5-Feb-04	0	200	200	200	0	0	1098	AR1442220	FREE	
	NON REG FC102E/B	NON	D002, D000, D001		ENSCO	1453335	INCIN	5-Feb-04	0	600	0	600	0	0	1098	AR1442220	FREE	
	NON REG 4MET	NON			ENSCO	1453344	INCIN	5-Feb-04	0	100	0	100	0	0	1098	AR1442220	FREE	
	ETHYLAMINE/AQU SOL	HAZ	D001, D002		ENSCO	1449310	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
	THCL/BUTYRIC ACID	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
	METHANESULFONYL METHANESULFONYL	HAZ HAZ	D002 D002		ENSCO ENSCO	90784 90784	INCIN INCIN	5-Feb-04 5-Feb-04	0	10 10	10 10	10 10	0	0 0	1099 1099	AR1363548 AR1363548		
	METHANESULFONYL	HAZ	D002		ENSCO	1449310	INCIN	5-Feb-04	0	10	10	10	0	1 0	1099	AR1363548		
1	METHANESULFONYL	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
			D001, D002,]						
	BCL/TMTC	HAZ	U008, FF05		ENSCO	ERG132	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
	METHYLMORPHOLINE PHENOL	HAZ HAZ	D001, D002 U188		ENSCO ENSCO	ERG132 ERG153	INCIN	5-Feb-04 5-Feb-04	00	10 10	10 10	10	0	0	1099 1099	AR1363548 AR1363548		
	HYDRAZINE HYDRATE	HAZ	D002, U133	- 3,10,141	ENSCO	ERG153	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
	TOL	HAZ	D001, F005		ENSCO	ERG133	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
1	HYDROFLUORIC ACID	HAZ	D002		ENSCO	ERG157	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
	10111 00 0000 0001		D001, F003, F005,		E11000	ED0454			_				_		4000			
	1CHLOR 2PRO/POH	HAZ	P102, F002		ENSCO	ERG131	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
	BZCL	HAZ	D002, P028		ENSCO	PLC3-20	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
	NBI/OCT SOL ISOCY	HAZ	D001		ENSCO	PLC3-25	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
	2FUROYL CL	HAZ	D002 D002		ENSCO	PLC3-26	INCIN	5-Feb-04	0	100	100	100	0	0	1099	AR1363548		
	TMTC	HAZ	DU02		ENSCO	PLC3-28	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZWAI EN	
	IBCF		D001, D002, D003		ENSCO	PLC3-29	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
	PALLADIUM/CARB	NON			ENSCO	PLC3-1	INCIN	5-Feb-04	0	10	0	10	0	0	1099	AR1363548		
	POT TBUT / DI CYC OCT DIMETHOXYBENZENE.	NON	-		ENSCO	PLC3-3	INCIN	5-Feb-04	0	10 100	0	100	0	0	1099	AR1363548		
	VALINE/METHOXYPH	NON			ENSCO ENSCO	PLC3-11 PLC3-12	INCIN	5-Feb-04 5-Feb-04	0	100	0	100	0	0	1099 1099	AR1363548 AR1363548		
	STEARIC / ADIPIC ACID	NON				PLC3-12	INCIN	5-Feb-04 5-Feb-04	0	100	0	100	0	0	1099	AR1363548		
	DMF/DCHLOROANALIN	NON		-	ENSCO	PLC3-18	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548		
	PHCF / CHPROPCF	NON			ENSCO			5-Feb-04	0	10	0	10	0	0	1099	AR1363548		

L = LANDFILL
B = INCINERATIION
T = TREATED
R = RECYCLE

	WASTE	HAZI	EPA	PROCESS	1		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE	1	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL		DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGOR
~	DEGOTAL FIGH	""	00020	WASTE	100.	CODE	11.211100	D/112	gais	lbs	lbs	lbs	lbs	lbs	NUM	NUM		-
1	ACL/PALMIDIC CL	NON			ENSCO	PLC3-22	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548	HAZMAT EN	<u> </u>
	ETHYLHEXYL CF	NON			ENSCO	PLC3-27	INCIN	5-Feb-04	0	50	0	50	0	ō	1099	AR1363548		
	NON REG SOLIDS	NON			ENSCO	PLC3-24	INCIN	5-Feb-04	0	10	ō	10	0	0	1099	AR1363548		
	THF/MTB	HAZ	D001	L-Val		ST012403	INCIN	6-Feb-04	0	41,960	41,960	41,960	0	0	1100	NYG3958434	BFC	T
			D002, D021,							<u> </u>			***					
1	HCL/THF	HAZ	F002, F005, D001	L-Val	EQ RES	A59404	INCIN	5-Feb-04	0	40,100	40,100	40,100	0	0	1101	MI9049639		
1	PETROLEUM WASTE	NON		-	SAFETY CLN	10827JF	INCIN	5-Feb-04	0	156	0	156	0	0	1102	TXR000050930	SAFETY CLN	
ĺ			D002, D021,		1									1		Í	1	
	HCL/THF	HAZ	F002, F005	L-Val		A59404	INCIN	6-Feb-04	0	38,560	38,560	38,560	0	0	1103		FREE	
	THF/MTB	HAZ	D001	Z-Val	NORLITE		INCIN	10-Feb-04	0	45,100	45,100	45,100	0	0	1104	NYG3958353		<u> </u>
	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	12-Feb-04	0	9,740	9,740	0	0	9,740	1105	PAG475083 PAG475083		<u> </u>
	SPENT CARBON SPENT CARBON	HAZ HAZ	D001, D021, F002 D001, F005			VDMNY BUSPNY	TREAT TREAT	12-Feb-04 12-Feb-04	0	185 805	185 805	0	0	185 805	1105 1105	PAG475083 PAG475083		
	THF/MTB	HAZ	D001, F005 D001	Z-Val	NORLITE		INCIN	13-Feb-04	0	33,900	33,900	33,900	0	0	1105	NYG3958344		
	THF/MTB	HAZ	D001	Z-Val	NORLITE			17-Feb-04	0	47,660	47,660	47,660	0	0	1107	NYG3958326		
	THF/MTB	HAZ	D001	Z-Val	NORLITE		INCIN	20-Feb-04	0	36,000	36,000	36,000	- 0	ő	1108	NYG3958335		
				THF/MTBE	110112112	0.0.2.00	,			55,000	00,000	30,000				111 0000000	T	
1	LIQUID WASTE	HAZ	F002	Release	CECOS	12038	TREAT	23-Feb-04	5,600	47,840	47,840	0	47,840	0	1109	NYG4335732	BFC	
				THF/MTBE	1				· · · ·	.,	, .		(: 1.5				<u> </u>	
1	LIQUID WASTE	HAZ	F002	Release	CECOS	12038	TREAT	23-Feb-04	5,174	44,140	44,140	0	44,140	0	1110	NYG4335714	BFC	
				THF/MTBE														
	LIQUID WASTE	HAZ	F002	Release	CECOS	12038	TREAT	24-Feb-04	5,500	47,240	47,240	0	47,240	0	1111	NYG4335741		
	THF/MTB	HAZ	D001	Z-Val	NORLITE		INCIN	24-Feb-04	0	46,080	46,080	46,080			1112	NYG3958317		ļ <u>.</u>
4	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	25-Feb-04	0	17,740	17,740	0		17,740	1113	PAG475084	AUTUMN	<u> </u>
ار			F002, F003, F005,	THF/MTBE	NODI ITE	07045455							_	_		1000000000		
1	LIQUID WASTE	HAZ	D021	Release	NORLITE	ST015103	INCIN	26-Feb-04	0	34,780	34,780	34,780	0	0	1114	NYG4335813	UNITED IND	
4	LIOUID WASTE	HAZ	F002, F003, F005,	THF/MTBE	NORLITE	CT015102	INCIN	26-Feb-04	0	12,560	12,560	12,560	0	0	1115	NYG4335804	LIMITED IND	
	LIQUID WASTE	MAZ	D021	Release THF/MTBE	NORLITE	51015103	INCIN	26-Feb-04	U	12,560	12,560	12,560	<u> </u>	0	1110	N1G4333604	UNITED IND	
4	LIQUID WASTE	HAZ	F002	Release	CECOS	12038	TREAT	27-Feb-04	5.000	23,420	23,420	0	23,420	l o 1	1116	NYG4335723	BEC	
'	LIQUID WASTL	TIAL	1 002	THF/MTBE	CLCOS	12030	INCAL	27-1-60-04	3,000	23,420	23,420	-	23,420		1110	14104333723	Di O	
1	LIQUID WASTE	HAZ	F002	Release	CECOS	12038	TREAT	27-Feb-04	5,000	39,800	39,800	0	39,800	0	1117	NYG2772765	BFC	
	NON REG PTSI	NON		71010400	BRIDGEPOR		INCIN	10-Mar-04	0	4.597	0	4,597	0	ō	1118	CTF1084281		
	NON REG SOLIDS	NON			BRIDGEPOR	0927DN4	INCIN	10-Mar-04	0	763	0	763	0	0	1118	CTF1084281	UNITED IND	
6	NON REG TBU/DBA	NON			NORLITE	ST00294N	INCIN	10-Mar-04	0	1,494	0	1,494	0	0	1119	CTD021816889	UNITED IND	
			D001, F002, F003,															
	ACE/TOL		F005, D021, D022		NORLITE		INCIN	10-Mar-04	0	13,533	13,533	13,533	0	0	1120	NYG4337685		<u> </u>
4	ODCB/HEP	HAZ	D001 .	CHDI	NORLITE	ST004502	INCIN	10-Mar-04	0	1,916	1,916	1,916	0	0	1120	NYG4337685	UNITED IND	
			D001, F002, F003,		ļ													
2	ACE/TOL		F005, D021, D022		MODUTE	ST026003	INICINI	10-Mar-04	0	1 105	1.105	1,105	0	0	1120	NYG4337685	LINITED IND	
	ODCB/HEP			CUDI						1,105	.,							
		HAZ	D001	CHDI	NORLITE		INCIN	10-Mar-04	0	324	324	324	0	0	1120	NYG4337685		
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Mar-04	0	419	419	419	0	0	1121	NYG4337694	UNITED IND	
			F002, F003, F005,		_,,,,,,,,								_		4400		<u> </u>	
_	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	10-Mar-04	0	5,303	5,303	5,303	0	0	1122	1	HAZMAT EN	
	THF/MTB	HAZ	D001, F002, D021	Z-Val		ST012403		16-Mar-04	0	46,740	46,740	46,740	0	0	1123	NYG4335705		
	WASTE SOLID	HAZ	F002, F003, F005		ENSCO	1378178	INCIN	18-Mar-04	0	519	519	519	0	0			HAZMAT EN	
20 1	RESIDUE AMINES	HAZ			ENSCO	1453388	INCIN	18-Mar-04	0	1,209	1,209	1,209	0	0	<u>11</u> 24	AR1442275	HAZMAT EN	
			D001, F002,						_				_	_				
	ODCB/HEP	HAZ	D021, F005	CHDI	NORLITE		INCIN	19-Mar-04	0	32,800	32,800	33,080	0	0		NYG4337946		<u> </u>
	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE			23-Mar-04	0	46,040	46,040	46,040	0	0		NYG4336542		
	SPENT CARBON	HAZ	F002, F003, F005	77.3.4.1		CHEMNY		24-Mar-04	00	7,237	7,237	40 500	0	7,237		PAG475085		<u> </u>
	THF/MTB		D001, D021, F002		NORLITE			26-Mar-04	0	43,580	43,580	43,580	0	0		NYG4336533		
	THF/MTB THF/MTB	HAZ HAZ	D001, D021, F002 D001, D021, F002		NORLITE NORLITE		INCIN	30-Mar-04 2-Apr-04	0	41,920 44,400	41,920 44,400	41,920 44,400	0	0		NYG4336524 NYG4336515		
	METHONAL/THF	HAZ	F003	Z-Val		12342AAF	TREAT	5-Apr-04	0	41,160	41,160	0	41,160	0		NYG4336767		
	THF/MTB		D001, D021, F002		NORLITE		INCIN	6-Apr-04	0	42,620	42,620	42,620	0	0		NYG4338009		
	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE			13-Apr-04	0	46,000	46,000	46,000	0	0		NYG4337991		
	THF/MTB		D001, D021, F002		NORLITE		INCIN	16-Apr-04	0	43,780	43,780	43,780	0	0		NYG4337982		
	гнг/мтв		D001, D021, F002		NORLITE			20-Apr-04	Ö	41,300	41,300	41,300	ō	0		NYG4337973		
	PETROLEUM WASTE	NON			SAFETY CLN			26-Арг-04	24	0	0		0	0	1136	NYD984556541	SAFETY CLN	1
_	THF/MTB	HAZ	D001, D021, F002		NORLITE	ST012403		30-Apr-04	0	38,760	38,760	38,760	0	0		NYG4337964		
1	ГНГ/МТВ		D001, D021, F002		NORLITE		INCIN	5-May-04	0	41,100	41,100	41,100	0	0	1138	NYG4334022	BFC	
			D001, F002,															1
41-	THF/MTB	HAZ	D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	38,500	38,500_	38,500	0	0	1139	NYG2884419		
																		
	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY W	TREAT	11-May-04	0	5,948	5,948		0	5,948	1140	PAH095754	AUTUMN I	1

L = LANDFILL
B = INCINERATIION
T = TREATED

R = RECYCLE
S = STORAGE

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PE
	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY AF	TREAT	11-May-04	0	385	385	0	0	385	1140		AUTUMN	
5	SPENT CARBON	HAZ	D001, F005 D001, F002.		ENVIRO	BUSPNY AF	TREAT	11-May-04	0	855	855		0	855	<u>1140</u>	PAH095754	AUTUMN	
1	THF/MTB	HAZ	D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	29,580	29,580	29,580	0		1141	NYG2884401	BFC	
	METH/TOL	HAZ	F003, D001, F005	FC-102		ST028503	INCIN	11-May-04	0	43,620	43,620	43,620	0	0	1142	NYG5261013		
	METH/TOL METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE NORLITE	ST028503	INCIN	14-May-04	0	44,100	44,100	44,100	0	0	1143	NYG5261022		
	SPENT CARBON	HAZ HAZ	F003, D001, F005	FC-102	ENVIRO	CHEMNY WV	INCIN TREAT	18-May-04 20-May-04	<u>0</u> 0	43,160 7,444	43,160 7,444	43,160 0	0	7,444	1144 1145	NYG5261031 PAG475411		
	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY AF		20-May-04	ō	172	172	0	0	172	1145	PAG475411		<u></u>
1	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	21-May-04	0	40,660	40,660	40,660	0	0	1146	NYG5261049	BFC	
-			F003, D001, F005,															
1	ACE/TOL	HAZ	D022, F002, D021	FC-102	NORLITE	ST010803	INCIN	25-May-04	0	43,780	43,780	43,780	0		1147	NYG5261409	BFC	
1	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	26-May-04	0	11,100	11,100	11,100	0	0	1148	NYG5261382	BFC	
44	MACTE COLID	1147	F002, F003, F005,		ENIGO	4070470	BIOIN	4 1 04	0	40.005	40.005	40.005	•		4440	AD4004400	 -	
	WASTE SOLID HCL WASTE	HAZ HAZ	D021, D022 F002, F005, D021		ENSCO ENSCO	1378178 1450506	INCIN	1-Jun-04 1-Jun-04	0	10,895 2,586	10,895 2,586	10,895 2.586	0	0	1149 1149	AR1294466 AR1294466	HAZMAT EN HAZMAT EN	
	BUT/XYLOL	HAZ	D001		ENSCO	1449673	INCIN	1-Jun-04	0	2,300	20	20	0	0	1150		HAZMAT EN	
1	PHOS ACID	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	0	10	10	10	0	0	1150	AR1294467	HAZMAT EN	
	AEROSOLS	HAZ	D001		ENSCO	1449373	INCIN	1-Jun-04	0	1	1	1	0	0	1150		HAZMAT EN	
	DISINFECTANTS ETHYL CENT	HAZ HAZ	D002		ENSCO ENSCO	1449373 1449373	INCIN INCIN	1-Jun-04 1-Jun-04	0	40 5	40	40 5	0	0 0	1150 1150	AR1294467 AR1294467	HAZMAT EN HAZMAT EN	⊢—
	TOXIC LIQUIDS	HAZ	<u> </u>		ENSCO	1449373	INCIN	1-Jun-04 1-Jun-04	0	15	15	15	0	0	1150	AR1294467	HAZMAT EN	\vdash
	NON REG	NON			BRIDGEPORT	092DN4	INCIN	1-Jun-04	0	380	0	380	0	0	1151	CTF1084285		
19	PTSI RES	NON			BRIDGEPORT	0928ON4	INCIN	1-Jun-04	0	9,740	0	9,740	0	0	1151	CTF1084285		
	ACE/TOL TOL/METH	HAZ HAZ	F003, D001, F002, F005, D021, D022 D001, F005, F003		NORLITE NORLITE	ST004502 ST011303	INCIN	1-Jun-04 1-Jun-04	00	4,398 412	4,398 412	4,398 412	0	0	1152 1152	NYG5261463 NYG5261463		
	ACE/TOL NON WASTE OIL	HAZ NON	D001, F002, F003, F005, D021, D022			ST004502 ST004902	INCIN INCIN	1-Jun-04 1-Jun-04	0	3,283 821	3,283 0	3,283 821	0	0	1152 1153	NYG5261463 CTD021816889	UNITED IND	
	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI		ST010803	INCIN	1-Jun-04	0_	42,800	42,800	42,800	0	0	1154	NYG5261418		
1 1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT		INCIN	4-Jun-04	0	44,800	44,800	44,800	0	0	1155	CTF1084286	UNITED IND	
	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT		INCIN	7-Jun-04	0	45,440	45,440	45,440	0	0	1156	CTF1084287	UNITED IND	
	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc		1598FD2HFB	INCIN	8-Jun-04	0	30,000	30,000	30,000	0	0	1157	CTF0946828		
	SPENT CARBONSPENT CARBON	+	F002, F003, F005			CHEMNY-WW	TREAT	7-Jun-04 1-Jul-04	0	4,030 14,080	4,030	0	0	4,030 14,080	1158		BFC	—
	SPENT CARBON SPENT CARBON	HAZ HAZ	1 002, F003, F003			CHEMNY-WW	TREAT TREAT	1-Jul-04 1-Jul-04	0	339	14,080 339	0	0	339	1159 1159		AUTUMN AUTUMN	
	ACE/TOL	HAZ	FOO3, D001, F005, D022, F002, D021	NDI		SAN218211	INCIN	2-Jul-04	0	44.820	44,820	44,820	0	0	1160	NYG5261427		
	WASTE SOLID			NDI/NDA Inc	ONYX ENV	655907	INCIN	9-Jul-04	0	7,100	7,100	7,100	0	o l	1161		HAZMAT EN	
	WASTE SOLID		F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	14-Jul-04	0	3,620	3,620	3,620	0	0	1162		BFC	
	WASTE SOLID	HAZ	F005, F003, F002		ENSCO	1378178	INCIN	14-Jul-04	0	8,234	8,234	8,234	0	0	1163		HAZMAT EN	
9 /	ACL ACE/PHCF		D003 F003, D001, D002, D003, F005		ENSCO ENSCO	1393044	INCIN	14-Jul-04 14-Jul-04	00	577 3,415	577 3,415	577 3,415	0	0	1163	AR1224827	HAZMAT EN	
	VAOH	HAZ	D002	51105	ENSCO	1393023	INCIN	14-Jul-04	0	4,290	4,290	4,290	0	0			HAZMAT EN	
	NON REG WATER	NON	D001, F002, F003,	PHCF	CECOS	13599	TREAT	16-Jul-04	0	17,700	0	0	17,700	0		NYR000045724		
	ACE/TOL		D001, F002, F003,			ST004502	INCIN	14-Jul-04	0	14,590	14,590	14,590	0	0		NYG5261193		
	ACE/TOL FOL/METH		F005, D021, D022 D001, F005, F003			ST004502 ST0113-03	INCIN	14-Jul-04 14-Jul-04	0	3,106 16,236	3,106 16,236	3,106 16,236	0	0	1165 1165	NYG5261193 NYG5261193		
	ACE/TOL		F003, D001, F002, F005, D021, D022		NORLITE			16-Jul-04	0	19,920	19,920	19,920	0	0	7.00	NYG2884374		

	WASTE	HAZ/	EPA	PROCESS	1	1	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	1	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGOR
٠,,,				WASTE	100	CODE			gals	lbs	lbs	lbs	ibs	lbs	NUM	NUM	, week	J SAILCON
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNYW	TREAT	19-Jul-04	0	4.190	4,190	0	4,190	0	1167	PAG475407	AUTUMN	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF	INCIN	28-Jul-04	21	0	0		0	0	1168	TXR000050930		
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	2-Aug-04	0	12,410	12,410	0	12,410	0	1169	PAG475408	AUTUMN	
	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNYAF	TREAT	2-Aug-04	00	182	182	0	182	0	1169		AUTUMN	
	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218296	INCIN	5-Aug-04	0	35,120	35,120	35,120	0	0	1170	NYG5261931		
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218297	INCIN	6-Aug-04	0	34,360	34,360	34,360	0	0	1171	NYG5261976	BFC	
1	TOL/DEA	1147	D001, F005	HEP/ACL/ HEGCL	NODUTE	ST014802	INICINI	24-Aug-04	^	25 720	25.700	25 700	_		4470	NIVO E DO 4 DE O	DE0	
	UNIV WASTE LAMPS	HAZ NON	D001, F005	HEGGL	NORLITE BETHLEHEM		INCIN	25-Aug-04	0	35,720 300	35,720 0	35,720 0	0	0	1172 1173	NYG5261958 NJD054126164		-
	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WV	TREAT	2-Sep-04	0	9,800	9,800	0	9.800	0	1174	PAG475409		
	SPENT CARBON	HAZ	F005		ENVIRO	TOLNY-CP	TREAT	2-Sep-04	0	6,502	6,502	0	6.502	Ö	1174			
	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY-AF	TREAT	2-Sep-04	0	196	196	0	196	0	1174		AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY-AF	TREAT	2-Sep-04	0	201	201	0	201	0	1174	PAG475409	AUTUMN	
	TOL/DEA	HAZ	F005	HEGCI	NORLITE	ST014802	INCIN	14-Sep-04	0	37,360	37,360	37,360	0	0	1175	NYG5261949		
	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	9-Sep-04	0	4,530	4,530	0	4,530	0	1176			
	SPENT CARBON	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	9-Sep-04	0	13,275	13,275	0	13,275	0	1176	PAH095765		
	NON REG PTSI	HAZ	CRO5			0928DN4	INCIN	22-Sep-04	0	13,618	13,618	13,618	0	0	1177	CTF1047385		ļ
	NON REG HAZ SOLIDS	HAZ	CRO5			0927DN4	INCIN	22-Sep-04	0	2,114	2,114	2,114	0 007	0	1177	CTF1047385		
5	NON REG BOH	NON	DOM DOM		NORLITE	51039703	TREAT	20-Sep-04	0	2,007	0	0	2,007	0	1178	CTD021816889	UNITED IND	ļ
n	ACE/TOL	HAZ	D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	3,575	3,575	3,575	0	0	1179	NYG5260302	LINITED IN	
9	ACE/TOL	naz.	D001, D022,		NORLITE	51004502	INCIN	20-Sep-04		3,575	3,575	3,575	U	0	1179	N1G5260302	UNITED IND	
31	ACE/TOL	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	10,512	10,512	10,512	0	0	1179	NYG5260302	LINITED IND	
	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Sep-04	0	2,007	2,007	2.007	0	0	1179	NYG5260302		——
Ŭ	DIIII .	1772	5001		HORLITE	01010202	1110111	25 000 04		2,007	2,007	2,001		 	1170	147 00200002	I CATTLE IND	
			F005, F003, D001,															1
5	HCL/TOL	HAZ	D002, F002, D021		BRIDGEPOR	2258ESTD2L	INCIN	22-Sep-04	0	2,196	2,196	2,196	0	0	1180	CTF1047383	UNITED IND	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	28-Sep-04	0	13,193	13,193	0	13,193	0	1181	PAH095770	AUTUMN	
	SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	28-Sep-04	0	1,770	1,770	0	1,770	0	1181	PAH095770	AUTUMN	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIRO	VANVDMNYAF	TREAT	28-Sep-04	0	173	173	0	173	0	1181	PAH095770	AUTUMN	
			F002, F003, F005,															1
28	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	28-Sep-04	0	8,006	8,006	8,006	0	0	1182	AR1442486	HAZMAT EN	
_			F003, D001,									_,_	_ :					
	ACE/METHOXYPHCF	HAZ HAZ	D002, D003, F005		ENSCO	1419625	INCIN	28-Sep-04	0	512	512	512	0	0	1182	AR1442486	HAZMAT EN	
	HAZ WASTE LIQUID CHDA/CHDCL DEBRIS	HAZ.	F002		ENSCO	1481052 1481055	INCIN	28-Sep-04	0	379	379	379	0	0	1182	AR1442486 AR1442486	HAZMAT EN	
	PHCF STILL BOTTOM	HAZ			ENSCO	1378189	INCIN	28-Sep-04 28-Sep-04	0	1,968 97	1,968 97	1,968 97	0	0	1182 1182	AR1442486	HAZMAT EN	
	THE STILL BOTTOM	TIAL	 		ENSCO	1370109	IIVOIIV	20-3ep-04	<u> </u>	91	91	91	0	 	1183	AR1442400	TAZIVIA I EN	
			F002, F003, F005,	CBZ / TOL /		" 		-							1103			
1	HAZ WASTE LIQUID	HAZ	D021	XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	0	35,200	35.200	35,200	0	0	1184	NYG5260473	UNITED IND	
			F002, F003, F005,	CBZ / TOL /		1			-	,								
	HAZ WASTE LIQUID	HAZ	D021	XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	0	29,560	29,560	29,560	0	0	1185	NYG3367755	UNITED IND	
	PETROLEUM NAPHTHA	NON			SAFETY CLN	105371715	TREAT	14-Oct-04	24						1186	TXR000050930	SAFETY CLN	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005	•		CHEMNYWW		28-Oct-04	0	10,240	10,240	0	0	10,240	1186		AUTUMN	
																	1	
			F005, F002, D021,															
	SPENT CARBON/TOL	HAZ	D002, D001			SOLVNYCP	TREAT	28-Oct-04	0	3,156	3,156	0	0	3,156			AUTUMN	
	SPENT CARBON/TOL	HAZ	F005, D001			BUSPNYAF	TREAT	28-Oct-04	0	1,025	1,025	0	0	1,025			AUTUMN	
1	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	2-Nov-04	0	29	29	29	0	0	97170	AR1497170	SJ TRANS	
40	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENGCO	1279170	INCIN	2 Nov 04	0	2,774	2,774	2774	_		07470	AD1407470	CITOMIC	1
	METHANOL WASTE	HAZ	F003, D001			1378178 1309250	INCIN	2-Nov-04 2-Nov-04	0	1,398	1,398	2,774 1,398	0 0	0			SJ TRANS SJ TRANS	—
	WILTHAUDE WANTE		D002, F003, F005,		LINGOU	1003200	INOIN	Z-140V-04		1,300	1,080	1,000	U		01110	74(170/110	ON LLANIA	
1	SODIUM HYD WASTE	HAZ	D021, F003, F003,		ENSCO	1393023	INCIN	2-Nov-04	0	234	234	234	o l	0	97170	AR1497170	SJ TRANS	İ
	MET/TOL	HAZ	F003, D001, F005	CHDCL		ST028503	INCIN	2-Nov-04	0	42,860	42,860	42,860	0	0	1187	NYG5261058		
	SANDBLAST GRIT	NON			MICHIGAN WTP		TREAT	4-Nov-04	0	23,380	0	0	0	0			FREEHOLD	
	MET/TOL		F003, D001, F005	CARBAESTER		ST028503	INCIN	12-Nov-04	0	44,680	44,680	44,680	ō	Ö		NYG5261097		
	SPENT CARBON/TOL	HAZ	F002, F003, F005			CHEMNYWW		12-Nov-04	0	9,730	9,730	0	0	9,730		PAH095722		
2	SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	BUSNYAF	RECYC	12-Nov-04	0	481	481	0	0	481		PAH095722		
			F003, D001,															
			D022, F002, F005,		[.													ı
21	ACE/TOL	HAZ	D021		NORLITE	ST004502	INCIN	14-Dec-04	0	7,844	7,844	7,844	0	0	1191	NYG5258934	UNITED IND	
			F003, D001,									ļ						i
			D022, F002, F005,						_				_	_				i
	ACE/TOL	HAZ	D021			ST004502		14-Dec-04	0	12,322	12,322	12,322	0	0		NYG5258934		
	DMF	HAZ	D001		NORLITE	ST010202		14-Dec-04	0	678	678	678	0	0		NYG5258934		
	PTSI RES	NON			BRIDGEPORT	0928DN4		14-Dec-04	0	12,133	0	0	0	0		CTF1068597		h
	WASTE SOLID	NON			BRIDGEPORT	0927DN4		14-Dec-04	0	2,601	0	0	0	0		CTF1068597		
	NON REG PNBC	NON	1 1		NORLITE	ST021203	INCIN	14-Dec-04	0 1	1,522	0 1	0	0 1	0 i	1193	CTD021816889	IUNITED IND	,

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PE
4	NON REG PNBC	NON			NORLITE	ST021203	INCIN	14-Dec-04	0	1,626	0	0	0	0	1193	CTD021816889	UNITED IND	
			F002, F003, F005,															
8	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	15-Dec-04	0	1,877	1,877	1,877	0	0	1194	AR1497212	HAZMAT EN	
			F003, D001,															
	ACE/METHOXYPHCF	HAZ	D002, D003		ENSCO	1419625		15-Dec-04	0	670	670	670	0	0	1194		HAZMAT EN	
	SODIUM HYD WASTE	HAZ	D002, D005		ENSCO	1453325		15-Dec-04	0	454	454	454	0	0			HAZMAT EN	
	1,6 HBCF WASTE	HAZ	D002, D003		ENSCO	1481077	INCIN	15-Dec-04	0	904	904	904	0	0	1194		HAZMAT EN	
1	1,5 NDI WASTE	HAZ	D003		ENSCO	1481086	INCIN	15-Dec-04	0	52	52	52	0	0	1194		HAZMAT EN	
	NITRIC ACID	HAZ	D002		ENSCO	1481087		15-Dec-04	0	1,208	1,208	1,208	0	0	1194		HAZMAT EN	
	ACL WASTE	HAZ	D003		ENSCO	1393044		15-Dec-04	0	7,555	7,555	7,555	0	0	1194		HAZMAT EN	
	GCPCF WASTE	HAZ	D003		ENSCO	1481084 1481083		15-Dec-04 15-Dec-04	0	1,329 356	1,329	1,329	0	0			HAZMAT EN HAZMAT EN	
	3 CHLOPRPANOL WST SPENT CARBON/TOL	NON HAZ	F002, F003, F005		ENSCO	CHEMNYWW		21-Dec-04	0	7,300	7,300	0	0	7,300			WEAVER TRA	
	SPENT CARBON/TOL	HAZ	F002, F003, F003			TOLNY-CP		21-Dec-04	0	209	209	0	0	209			WEAVER TRA	
	SPENT CARBON/METH	HAZ	F002		ENVIROTRO			21-Dec-04	-	399	399	0	0	399			WEAVER TRA	
	MET/TOL	HAZ	F003, D001, F005		NORLITE	ST028503		29-Dec-04	0	15,020	15,020	15,020	0	0		NYG5261076		T
	ACL WASTE	HAZ	D003		ENSCO	1393044		21-Dec-04	0	4,082	4,082	4,082	ō	0	1197		TRIAD	-
			F002, F003, F005,			1		2.5000.		.,002	1,002	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						T
1	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	21-Dec-04	0	213	213	213	0	0	1197	AR1497217	TRIAD	
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2	PCF/POH	HAZ	D001, D002, D003		ENSCO	1328263	INCIN	21-Dec-04	0	689	689	689	0	0	1197	AR1497217	TRIAD	1
1	AMIDE CHLORIDE WST	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	0	69	69	69	0	0	1197	AR1497217	TRIAD	
																		
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP VOL	DISP WT	HAZ WT	INCINERATION WT	WW WT	RECYCLE RECOVERY	MFST DOC	STATE MFST	HAULER	TONS PER CATEGORY
		ļ		WASTE		CODE		**************************************	gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM		
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2004 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax. Rev: WASTE HAZ **EPA** PROC APPROVAL DISP SHIP DISP DISP HAZ WW RECYCLE MFST STATE TONS PER INCINERATION QTY DESCRIPTION NON HAULER CODES GEN **TSDF** CODE METHOD WT WT WT WT DOC MEST CATEGORY DATE VOL RECOVERY NUM NUM gals lbs lbs lbs lbs hs D001, F003, 1 MET/TOL HAZ F005 NORLITE ST028503 INCIN 40,420 NYG3958029 BFC 2-Jan-04 0 40,420 40,420 0 0 1082 D001, F003, 1 MET/TOL HAZ F005 NORLITE ST028503 INCIN 5-Jan-04 0 41.240 41.240 41.240 0 0 1082 NYG3958704 BFC F002, F003, 3 SPENT CARBON HAZ F005 **ENVIRO CHEMNY** INCIN 0 13,330 13,330 0 0 13,330 1083 PAG475080 **AUTUMN** 6-Jan-04 D001, D021, 1 SPENT CARBON HAZ F002 **ENVIRO VDMNY** INCIN 203 0 0 203 1083 PAG475080 **AUTUMN** 6-Jan-04 0 203 D001, F003, 1 MET/TOL HAZ F005 **NORLITE** ST028503 INCIN 7-Jan-04 0 46,480 46,480 46,480 0 0 1084 NYG3958713 BFC D001, F003, 1 MET/TOL HAZ F005 **BFC** NORLITE ST028503 INCIN 43.800 43,800 43,800 0 NYG3958722 14-Jan-04 0 0 1085 D001, F003, 1 MET/TOL HAZ F005 BFC NORLITE ST028503 INCIN 19-Jan-04 0 37,340 37.340 37,340 0 n 1086 NYG3958731 Ō 1 THF/MTB HAZ D001 NORLITE ST012403 INCIN 23-Jan-04 0 40,100 40,100 40,100 0 1087 NYG3958389 BFC D002, D021 1 HCL HAZ F002, F005 A59404OTS INCIN MI9049694 FREE EQ RES 26-Jan-04 0 17,780 17,780 17.780 0 0 1088 1 THF/MTB HAZ D001 NORLITE ST012403 INCIN 0 46,080 46,080 46,080 0 1089 NYG3958398 **BFC** 27-Jan-04 0 F002, F003, 1 SPENT CARBON HAZ F005 **ENVIRO CHEMNY** TREAT 29-Jan-04 0 4.446 4.446 0 0 4.446 1090 PAG475082 AUTUMN 2 SPENT CARBON HAZ D001, F005 **ENVIRO** BUSPNY TREAT 29-Jan-04 0 344 344 0 0 344 1090 PAG475082 AUTUMN 1 THF/MTB HAZ D001 NORLITE ST012403 INCIN 30-Jan-04 43,600 43,600 43,600 1091 NYG3958407 BFC 0 0 0 D002, D021 F002, F005, 1 HCL/THF HAZ D001 **EQ RES** A59404 INCIN 2-Feb-04 27,240 27,240 27,240 0 0 1092 MI9049638 **FREE** 0 1 THF/MTB HAZ D001 BFC NORLITE ST012403 INCIN 3-Feb-04 0 46,960 46,960 46,960 0 0 1093 NYG3958416 1 THF/MTB HAZ D001 46,540 1094 NYG3958425 NORLITE ST012403 INCIN 4-Feb-04 0 46,540 46,540 0 0 BFC D001, F002, 1 ODCB/HEP HAZ D021, F005 **NORLITE** NYG4335255 UNITED IND ST026003 INCIN 5-Feb-04 0 200 200 200 0 0 4 ACE/TOL HAZ D001 NORLITE ST004502 INCIN 0 1,200 1,200 1,200 1095 NYG4335255 UNITED IND 5-Feb-04 0 0 D001, F002, 16 ODCB/HEP HAZ D021, F005 NORLITE ST026003 **INCIN** 5-Feb-04 0 4,800 4,800 4,800 0 0 1095 NYG4335255 UNITED IND D001, F002. F003, F005. 33 ACE/TOL D021, D022 HAZ 9,900 NYG4335255 UNITED IND NORLITE ST004502 INCIN 5-Feb-04 0 9,900 9.900 0 1095 2 NON BOH NON NORLITE ST039703 INCIN 5-Feb-04 0 400 0 400 0 0 1096 CTD021816889 UNITED IND D002, F002, F003, F005, 3 HCL/TOL HAZ D021, D001 2258ESTD2L RECYC 5-Feb-04 0 900 900 900 0 1097 CTF1144398 UNITED IND BRIDGEPORT 2 NON REG SOLIDS NON 0927DN4 RECYC 5-Feb-04 0 600 0 0 0 0 1097 CTF1144398 UNITED IND BRIDGEPORT 3 NON REG PTSI NON 1,500 0 0 1097 CTF1144398 UNITED IND 0928DN4 RECYC 4-Feb-05 0 0 BRIDGEPORT 0 1 HCL/TOL HAZ D002 350 350 1097 CTF1144398 UNITED IND BRIDGEPORT 2258ESTD2L RECYC 4-Feb-05 350 0 0 F002, F003, F005, D021, 12 WASTE SOLID HAZ D022 0 0 AR1442220 FREE **ENSCO** 1378178 **INCIN** 5-Feb-04 360 360 360 0 1098 D002, D003, 1 IBCF HAZ D001 **ENSCO** 1453346 INCIN 200 200 200 Λ 0 1098 AR1442220 FREE 5-Feb-04 0 2 NON REG FC102E/B NON **ENSCO** 1453335 INCIN 5-Feb-04 600 1098 AR1442220 FREE 0 0 0 0 0 1 NON REG 4MET NON **ENSCO** 1453344 INCIN 5-Feb-04 0 100 0 0 n 0 1098 AR1442220 FREE 1 ETHYLAMINE/AQU SOL HAZ D001, D002 **ENSCO** 1449310 INCIN 5-Feb-04 0 10 10 10 0 O 1099 AR1363548 HAZMAT EN 1 THCL/BUTYRIC ACID HAZ D002 50 50 50 0 1099 AR1363548 HAZMAT EN **ENSCO** 11589 INCIN 5-Feb-04 0 0 1 METHANESULFONYL HAZ D002 10 **ENSCO** 90784 INCIN 5-Feb-04 0 10 10 0 0 1099 AR1363548 HAZMAT EN 1 METHANESULFONYL HAZ D002 AR1363548 HAZMAT EN **ENSCO** 90784 INCIN 5-Feb-04 0 10 10 10 0 0 1099 1 METHANESULFONYL HAZ D002 **ENSCO** 1449310 10 10 10 1099 AR1363548 HAZMAT EN INCIN 5-Feb-04 0 0 0 1 METHANESULFONYL HAZ D002 **ENSCO** 10 10 10 1099 AR1363548 HAZMAT EN 11589 INCIN 5-Feb-04

2004 HAZARDOUS WAS	TE REPORT WORK	SHEET - 1st o	uarter waste tax.

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	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MFST	STATE		TONS PE
TY DI	ESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	VOL	WT	WT	WT	W	RECOVERY	DOC	MFST	HAULER	CATEGOR
			D004 D000						gals	lbs	lbs	lbs	lbs	bs	NUM	NUM		lika <u></u>
A POL TIATO	_	1	D001, D002,		ENDOO	ED0422	INICINI	5 Eab 04		50	50	50	0		1000	AD4202548	14784A7 CA	•
1 BCL/TMTC		HAZ	U008, FF05		ENSCO	ERG132	INCIN	5-Feb-04	0	50	50	50	0	0	1099		HAZMAT EN	
	MORPHOLINE	HAZ	D001, D002		ENSCO	ERG132	INCIN	5-Feb-04	0	10	10	10	0	0	1099		HAZMAT EN	
1 PHENOL		HAZ	U188		ENSCO	ERG153	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
	NE HYDRATE	HAZ	D002, U133		ENSCO	ERG153	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
1 TOL		HAZ	D001, F005		ENSCO	ERG133	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
1 HYDROFL	LUORIC ACID	HAZ	D002		ENSCO	ERG157	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
			D001, F003,															
			F005, P102,					l	_					_				
1 1CHLOR 2	2PRO/POH	HAZ	F002	_	ENSCO	ERG131	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548		
1 BZCL		HAZ	D002, P028		ENSCO	PLC3-20	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
1 NBI/OCT S		HAZ	D001		ENSCO	PLC3-25	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548		
1 2FUROYL	_ CL	HAZ	D002		ENSCO	PLC3-26	INCIN	5-Feb-04	0	100	100	100	0	0	1099	AR1363548		
1 TMTC		HAZ	D002		ENSCO	PLC3-28	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	l
			D001, D002,					•										
1 IBCF		HAZ	D003		ENSCO	PLC3-29	INCIN	5-Feb-04	0	50	_ 50	50	0	0	1099	AR1363548		
1 PALLADIU	JM/CARB	NON			ENSCO	PLC3-1	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548	HAZMAT EN	l
1 POT TBUT	T / DI CYC OCT	NON			ENSCO	PLC3-3	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548	HAZMAT EN	
	XYBENZENE, P	NON			ENSCO	PLC3-11	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
1 VALINE/M		NON		-	ENSCO	PLC3-12	INCIN	5-Feb-04	0	100	0	0	0 ·	0	1099	AR1363548	HAZMAT EN	
	/ ADIPIC ACID	NON			ENSCO	PLC3-13	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
	ILOROANALIN	NON		_	ENSCO	PLC3-18	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
2 PHCF / Ch		NON			ENSCO	PLC3-21	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548		
1 ACL/PALM		NON			ENSCO	PLC3-22	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548		
1 ETHYLHE		NON			ENSCO	PLC3-27	INCIN	5-Feb-04	0	50	0	0	0	0	1099	AR1363548		
1 NON REG		NON			ENSCO	PLC3-24	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548		
1 THF/MTB	OOLIDO	HAZ	D001		NORLITE	ST012403	INCIN	6-Feb-04	0	41,960	41,960	41,960	0	0	1100	NYG3958434	BFC	<u> </u>
THE PARTY OF		17.2	D002, D021,	_	HOILEILE	01012100	ii (Oii (0.000.		11,000	11,000	11,000				111 00000 10 1	1 2	
		ľ	F002, F005,															
1 HCL/THF		HAZ	D001		EQ RES	A59404	INCIN	5-Feb-04	0	40,100	40,100	40,100	0	o	1101	MI9049639	FREE	
1 PETROLE	TIM MACTE	NON			SAFETY CLN	10827JF	INCIN	5-Feb-04	0	156	0	0	0	0	1102	TXR000050930		
IPEIROLE	ZUIVI VVASTE	NON	D002, D021,		SAPETT CLN	1002731	INCIN	3-1 ED-04		130	- 0				1102	17/100000000000000000000000000000000000	JOAFETT CLIV	
4 1101 55115		1107			EQ RES	050404	INCIN	6-Feb-04	,	38,560	38,560	38,560		0	1103	 MI9049640	FREE	
1 HCL/THF		HAZ	F002, F005			A59404			0				0	0				
1 THF/MTB		HAZ	D001		NORLITE	ST012403	INCIN	10-Feb-04	0	45,100	45,100	45,100	<u> </u>	0	1104	NYG3958353	BFC	
			F002, F003,		=1.0 #5.0	OUENNY.	TDE 4 T	1.05.04	_	0.740	0.740		_	0.740	4405	D 1 0 175000	1	
2 SPENT CA	ARBON	HAZ	F005		ENVIRO	CHEMNY	TREAT	12-Feb-04	0	9,740	9,740	0	0	9,740	1105	PAG475083	AUTUMN	
			D001, D021,									_					l	
1 SPENT CA		HAZ	F002		ENVIRO	VDMNY	TREAT	12-Feb-04		185	185	0	0	185	~		AUTUMN	
5 SPENT CA		HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	12-Feb-04		805	805	0	0	805		PAG475083		
1 THF/MTB		HAZ	D001	and the same of th	NORLITE	ST012403	INCIN	13-Feb-04		33,900	33,900	33,900	0	0		NYG3958344		
1 THF/MTB		HAZ	D001		NORLITE	ST012403	INCIN	17-Feb-04		47,660	47,660	47,660	0	0		NYG3958326		
1 THF/MTB		HAZ	D001		NORLITE	ST012403	INCIN	20-Feb-04		36,000	36,000	36,000	0	0		NYG3958335		
1 LIQUID W	/ASTE	HAZ	F002		CECOS	12038	TREAT	23-Feb-04		47,840	47,840	0	47,840	0		NYG4335732		
1 LIQUID W	/ASTE	HAZ	F002		CECOS	12038	TREAT	23-Feb-04	5,174	44,140	44,140	0	44,140	0	1110	NYG4335714	BFC	
1 LIQUID W	/ASTE	HAZ	F002		CECOS	12038	TREAT	24-Feb-04	5,500	47,240	47,240	0	47,240	0	1111	NYG4335741	BFC	
1 THF/MTB		HAZ	D001		NORLITE	ST012403		24-Feb-04		46,080	46,080	46,080			1112	NYG3958317	BFC	
			F002, F003,			1												
4 SPENT CA	ARBON	HAZ	F005		ENVIRO	CHEMNY	TREAT	25-Feb-04	0	17,740	17,740	0		17,740	1113	PAG475084	AUTUMN	
- 10. 2 0/			F002, F003,							,	,-,-			,			1	
1 LIQUID W	/ASTE	HAZ	F005, D021		NORLITE	ST015103	INCIN	26-Feb-04	0	34,780	34,780	34,780	0	0	1114	NYG4335813	UNITED IND	
I LIGOID W	" 10 I L	11712	F002, F003,			15.5.5.60		20 1 00 07	- <u>*</u> -	5 ., , 50	0 1,7 00	51,700		<u>_</u>	.,,,,	0 1000010	323	
1 LIQUID W	ASTE	HAZ	F002, F003, F005, D021		NORLITE	ST015103	INCIN	26-Feb-04	0	12,560	12,560	12,560	o	o	1115	NYG4335804	LINITED IND	
1 LIQUID W		HAZ	F003, D021		CECOS	12038		27-Feb-04		23,420	23,420	0	23,420	0		NYG4335723		
		HAZ	F002		CECOS	12038		27-Feb-04 27-Feb-04		39,800	39,800	0	39,800	0		NYG2772765		
1 LIQUID W																		

WASTE QTY DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT	WW WT Ibs	RECYCLE RECOVERY	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
3 NON REG SOLIDS	NON		<u>e Course estados e</u>	BRIDGEPORT	0927DN4	INCIN	10-Mar-04	gais 0	763	0	0	0	lbs O	1118		UNITED IND	
6 NON REG TBU/DBA	NON			NORLITE	ST00294N	INCIN	10-Mar-04	0	1,494	0	0	0	 	1119	CTD021816889		
O NON NEG TBODDA		D001, F002, F003, F005,															
35 ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	10-Mar-04	0	13,533	13,533	13,533	0	0		NYG4337685		
4 ODCB/HEP	HAZ	D001		NORLITE	ST004502	INCIN	10-Mar-04	0	1,916	1,916	1,916	0	0	1120	NYG4337685	UNITED IND	
3 ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST026003	INCIN	10-Mar-04	0	1,105	1,105	1,105	0	0	1120	NYG4337685		
1 ODCB/HEP	HAZ	D001		NORLITE	ST021803	INCIN	10-Mar-04	0	324	324	324	0	0	1120	NYG4337685	UNITED IND	
1 THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	10-Mar-04	0	419	419	419	0	0	1121	NYG4337694	UNITED IND	
26 WASTE SOLID	HAZ	F002, F003, F005, D021, D022 D001, F002,		ENSCO	1378178 ST012403	INCIN	10-Mar-04 16-Mar-04	0	5,303 46,740	5,303 46,740	5,303 46,740	0	0			HAZMAT EN	
1 THF/MTB	HAZ	D021		NORLITE	51012403	INCIN	16-War-04	0	46,740	46,740	46,740	0	0	1123	NYG4335705	BEC	
4 WASTE SOLID	HAZ	F002, F003, F005	·	ENSCO	1378178	INCIN	18-Mar-04	0	519	519	519	0	0		AR1442275	HAZMAT EN	
20 RESIDUE AMINES	HAZ	D004 5000		ENSCO	1453388	INCIN	18-Mar-04	0	1,209	1,209	1,209	0	0	1124	AR1442275	HAZMAT EN	
1 ODCB/HEP	HAZ	D001, F002, D021, F005		NORLITE	ST026003	INCIN	19-Mar-04	0	32,800	32,800	33,080	0	0	1125	NYG4337946	UNITED IND	
1 THF/MTB	HAZ	D001, D021, F002		NORLITE	ST012403	INCIN	23-Mar-04	0	46,040	46,040	46,040	0	0	1126	NYG4336542	BFC	
2 SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	24-Mar-04	0	13,500	13,500	13,500	0	0	1127	PAG475085	AUTUMN	
1 THF/MTB	HAZ	D001, D021, F002		NORLITE	ST012403	INCIN	26-Mar-04	0	43,580	43,580	43,580	0	0	1128	NYG4336533	BFC	
1 THF/MTB	HAZ	D001, D021, F002		NORLITE	ST012403	INCIN	30-Mar-04	0	41,920	41,920	41,920	0	0	1129	NYG4336524	BFC	
Total 1st quarter treatment									1,381,641	1,370,841	1,122,288	202,440	46,793				

 total tons generated
 685.76

 tons not subjet to assessment
 23.4

 ton subject to assessment
 662.36

 tons incinerated
 561.1
 \$5,050.30

 tons wwt
 101.2
 \$1,619.52

 total assessment due
 \$6,669.82

685.42 561.14 101.22 23.40 685.76 685.76

TOTALS				0.00	0.00	0.00	0.00	0.00	

THEMTIS	Rev	WASTE	HAZI	EPA	PROC		APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	1
THEMTR	QTY	DESCRIPTION				TSDF	the first of the second of the	The second second second second	transfer of the state of the st	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER
THEMPING			1			1	<u> </u>			gais	i ibs	1 103	1 103	103] 195	i idom	140111	<u>81:</u>
THEMTS				D001, D021,								-						
THEMTS						NORLITE	ST012403	INCIN	2-Apr-04	0	44,320	44,320	44,320	0	0	1130	NYG4336515	
THEMITS	1	METHONAL/THF	HAZ		Z-Val	CECOS	12342AAF	TREAT	5-Apr-04	0	40,980	40,980	0	40,980	0	1131	NYG4336767	BFC
THEMITS										_						_		
1 1 1 1 1 1 1 2 2 2	1	THF/MTB	HAZ		Z-Val	NORLITE	ST012403	INCIN	6-Apr-04	0	42,920	42,920	42,920	0	0	1132	NYG4338009	BFC
THEMTE	4	TUE/MTD	1147		7.1/-1	NODUTE	OT040400	111011	40 4 04	_	45.740	45.740	45.740			4.400	NVO 4007004	DE0
THEMATE		THENNIB	ПАД		Z-Vai	INORLITE	151012403	INCIN	13-Apr-04		45,740	45,740	45,740	U	0	1133	NTG4337991	IBFC
THEMTE	1	THF/MTB	HA7		7-\/al	NORLITE	ST012403	INCIN	16-Apr-04	0	43 58N	13 580	43 580	_		1134	NVG4337982	BEC
THEMPTE HAZ FOOZ Z-Val NORLITE ST019403 NICN Z0-Agr-04 Z4 0 0 0 0 0 1138 NYG-4337073 SEC			11712		2 701	HOREITE	01012400	1110111	10-7101-04		70,000	40,000	40,000		-	1107	11104007002	15.0
1 PETROLEUM WASTE	1	THF/MTB	HAZ		Z-Val	NORLITE	ST012403	INCIN	20-Apr-04	0	41.200	41.200	41,200	0	0	1135	NYG4337973	BFC
THEMTE	1	PETROLEUM WASTE			 													SAFETY CL
THEMTE																		
TITHFAMTB	1	THF/MTB	HAZ		Z-Val	NORLITE_	ST012403	INCIN	30-Apr-04	0	39,660	39,660	39,660	0	0	1137	NYG4 <u>3</u> 37964	BFC
THEMTE]
THEMTIS	1	THF/MTB	HAZ		Z-Val	NORLITE	ST012403	INCIN	5-May-04	00	40,940	40,940	40,940	0	0	1138	NYG4334022	BFC
SPENT CARBON	إ	TUE /8 ATD	1147		7.4.1	NODUTE				_	1					4 4 0 0		
2 SPENT CARBON HAZ FOOS ENVIRO CHEMINY WW. RECYCLE 11-May-04 0 5-948 5-948 0 0 5-948 1-140 PAH095754 AUTI	1)	THE/MIB	HAZ		Z-Val	NORLITE	S1012403	INCIN	7-May-04	0	38,400	38,400	38,400	0	0	1139	NYG2884419	BEC
STEETHF	2	SPENT CARRON	нал			ENNABO	CHEMANY VARAL	DECACI E	11 May 04	0	5049	5049	_	^	5 049	1140	DAH005754	AUTUMN
SPENT CARBON					7-\/al													AUTUMN
2 SPENT CARBON			117.2		2 741	LIVINO	ILIMIT OF	INLOTOLL	11-May-04		3,733	3,733	- J		3,733_	1170	1 711000704	TAGTOWN
SPENT CARBON	2	SPENT CARBON	HAZ			ENVIRO	VDMNY AF	RECYCLE	11-May-04	0	360	360	0	0	360	1140	PAH095754	AUTUMN
1																		AUTUMN
1 METH/TOL				D001, F002,					-									
METH/TOL	1	THF/MTB	HAZ		Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	29,580	29,580	29,580	0	0	1141	NYG2884401	BFC
METH/TOL					1													
METH/TOL	1	METH/TOL	HAZ		FC-102	NORLITE	ST028503	INCIN	11-May-04	0	43,620	43,620	43,620	0	0	1142	NYG5261013	BFC
METH/TOL	.ا	METUTOI	114.7		E0 400	NOD ITS	07000500			_					[4440	NV 0500 4000	D=0
1 METH/TOL		WETH/TOL	HAZ		FC-102	NORLITE	S1028503	INCIN	14-May-04	0	44,100	44,100	44,110	0	0	1143	NYG5261022	BFC
2 SPENT CARBON HAZ F005 ENVIRO CHEMNY WW RECYCLE 20-May-04 0 7,444 7,444 0 0 0 7,444 1145 PAG475411 AUTI 1 SPENT CARBON HAZ D001, F005 ENVIRO BUSPNY AF RECYCLE 20-May-04 0 180 180 0 0 180 1145 PAG475411 AUTI 1 D001, F005 ENVIRO BUSPNY AF RECYCLE 20-May-04 0 180 180 0 0 180 1145 PAG475411 AUTI 1 D001, F005, D021, F005, D022, F005, F005, D022, F005, F005, D022, F005	1 1	METH/TOI	НΔ7		EC 102	NODI ITE	ST029502	INICINI	19 May 04	n	43 460	42 160	12 160	0	1 0	1111	NVC5261031	REC
2 SPENT CARBON HAZ F005 ENVIRO CHEMNY WN RECYCLE 20-May-04 0 7,444 7,444 0 0 7,444 1145 PAG475411 AUTI SPENT CARBON HAZ D001, F005, D001, F003, D001, F003, D001, F003, D001, F003, D001, F003, D001, F005, D022, FC-102 NORLITE ST01803 INCIN 21-May-04 0 40,660 40,660 40,660 0 0 1146 NYG5261049 BFC F005, D022, FC-102 NORLITE ST01803 INCIN 25-May-04 0 43,780 43,780 0 0 0 1147 NYG5261409 BFC F005, D022, FC-102 NORLITE ST010803 INCIN 25-May-04 0 43,780 43,780 0 0 0 1147 NYG5261409 BFC F002, D001 F002, F003, F005, D021, F005, F005, F005	'	WILLIAM	LIAZ		FC-102	NORLITE	31020303	INCIN	10-May-04		43,100	43,100	43,100	U		1 144	NT G520 103 1	I Bru
SPENT CARBON	2	SPENT CARBON	HA7			ENVIRO	CHEMNY WWW	RECYCLE	20-May-04	n	7 444	7 444	l n 1	O	7 444	1145	PAG475411	AUTUMN
METH/TOL																		AUTUMN
ACE/TOL				D001, F003,														
ACE/TOL	1 1	METH/TOL	HAZ	F005	FC-102	NORLITE	ST028503	INCIN	21-May-04	0	40,660	40,660	40,660	0	0	<u>1</u> 146	NYG5261049	BFC
ACE/TOL					-													
DMF				, , ,]		ļ								·	
F002, F003, F005, D021, D022																		
F005, D021, D022	<u></u>	JIMP	HAZ		ACL	NORLITE	ST010202	INCIN	26-May-04	0	11,180	11,180	11,180	0	0	1148	NYG5261382	BFC
HAZ D022 ENSCO 1378178 INCIN 1-Jun-04 0 10,895 10,895 0 0 0 1149 AR1294466 HAZM	İ		1			ľ	1	Ì	1						i			ľ
F002, F005, ENSCO	44\	WASTE SOUD	НД			ENSCO	1378178	INCIN	1- Jun-04	0	10 805	10 805	10 805	0		11/0	AR1294466	HAZMAT EN
6 HCL WASTE HAZ D021 ENSCO 1450506 INCIN 1-Jun-04 0 2,586 2,586 2,586 0 0 1149 AR1294466 HAZM 1 BUT/XYLOL HAZ D001 ENSCO 1449673 INCIN 1-Jun-04 0 20 20 20 0 0 150 AR1294467 HAZM 1 PHOS ACID HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 10 10 0 0 0 150 AR1294467 HAZM 1 AEROSOLS HAZ D001 ENSCO 1449373 INCIN 1-Jun-04 0 1 1 1 0 0 1150 AR1294467 HAZM 1 DISINFECTANTS HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 40 40 0 0 0 1150 AR1294467 HAZM 1 ETHYL CENT HAZ ENSCO 1449373 INCIN 1-Jun-04	- ' '	WICHE COLID	11/1/2			LNGCO	13/01/0	INCIN	1-3411-04		10,095	10,093	10,093		 	1143	AK1234400	TIAZIVIAT EN
1 BUT/XYLOL HAZ D001 ENSCO 1449673 INCIN 1-Jun-04 0 20 20 20 0 0 1150 AR1294467 HAZM 1 PHOS ACID HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 10 10 0 0 1150 AR1294467 HAZM 1 AEROSOLS HAZ D001 ENSCO 1449373 INCIN 1-Jun-04 0 1 1 1 0 0 1150 AR1294467 HAZM 1 DISINFECTANTS HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 40 40 40 0 0 1150 AR1294467 HAZM 1 ETHYL CENT HAZ ENSCO 1449373 INCIN 1-Jun-04 0 5 5 5 0 0 1150 AR1294467 HAZM 1 TOXIC LIQUIDS HAZ ENSCO 1449373 INCIN 1-Jun-04 0 15 <	6 H	HCL WASTE	HAZ			ENSCO	1450506	INCIN	1-Jun-04	0	2.586	2.586	2.586	0	l o l	1149	AR1294466	HAZMAT EN
1 PHOS ACID HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 10 10 10 0 0 1150 AR1294467 HAZM 1 AEROSOLS HAZ D001 ENSCO 1449373 INCIN 1-Jun-04 0 1 1 1 0 0 1150 AR1294467 HAZM 1 DISINFECTANTS HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 40 40 40 0 0 1150 AR1294467 HAZM 1 ETHYL CENT HAZ ENSCO 1449373 INCIN 1-Jun-04 0 5 5 5 0 0 1150 AR1294467 HAZM 1 TOXIC LIQUIDS HAZ ENSCO 1449373 INCIN 1-Jun-04 0 15 15 15 0 0 1150 AR1294467 HAZM 1 NON REG NON BRIDGEPORT 092DN4 INCIN 1-Jun-04 0 380																		HAZMAT EN
1 AEROSOLS HAZ D001 ENSCO 1449373 INCIN 1-Jun-04 0 1 1 1 0 0 1150 AR1294467 HAZM 1 DISINFECTANTS HAZ D002 ENSCO 1449373 INCIN 1-Jun-04 0 40 40 40 0 0 1150 AR1294467 HAZM 1 ETHYL CENT HAZ ENSCO 1449373 INCIN 1-Jun-04 0 5 5 5 0 0 1150 AR1294467 HAZM 1 TOXIC LIQUIDS HAZ ENSCO 1449373 INCIN 1-Jun-04 0 15 15 15 0 0 1150 AR1294467 HAZM 1 NON REG NON BRIDGEPORT 092DN4 INCIN 1-Jun-04 0 380 0 0 0 0 1151 CTF1084285 UNITE			HAZ	D002														HAZMAT EN
1 ETHYL CENT HAZ ENSCO 1449373 INCIN 1-Jun-04 0 5 5 5 0 0 1150 AR1294467 HAZM 1 TOXIC LIQUIDS HAZ ENSCO 1449373 INCIN 1-Jun-04 0 15 15 15 0 0 1150 AR1294467 HAZM 1 NON REG NON BRIDGEPORT 092DN4 INCIN 1-Jun-04 0 380 0 0 0 0 1151 CTF1084285 UNITE						ENSCO	1449373			0		11	1		0		AR1294467	HAZMAT EN
1 TOXIC LIQUIDS HAZ ENSCO 1449373 INCIN 1-Jun-04 0 15 15 15 0 0 1150 AR1294467 HAZM 1 NON REG NON BRIDGEPORT 092DN4 INCIN 1-Jun-04 0 380 0 0 0 0 1151 CTF1084285 UNITE				D002														HAZMAT EN
1 NON REG NON BRIDGEPORT 092DN4 INCIN 1-Jun-04 0 380 0 0 0 0 1151 CTF1084285 UNITE																		HAZMAT EN
				ļ 														HAZMAT EN
				<u> </u>														UNITED IND

2004 HA	AZARDOUS WASTE REPORT V	VORKSHEE	T - 2nd quarte	r waste tax	(.												
оту	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER
			F003, D001, F002, F005,										·				
11 A	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	0_	4,398	4,398	4,398	0	0	1152	NYG5261463	UNITED IND
1 1	rol/meth	HAZ	D001, F005, F003		NORLITE	ST011303	INCIN	1-Jun-04	0	412	412	412	0	0	1152	NYG5261463	UNITED IND
			D001, F002, F003, F005,														
9 4	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	0	3,283	3,283	3,283	0	0	1152	NYG5261463	UNITED IND
2 1	NON WASTE OIL	NON			NORLITE	ST004902	INCIN	1-Jun-04	0	821	0	0	0	0	1153	CTD021816889	UNITED IND
	.05.50		D001, F002, F003, F005,												4454	NNO5004448	
1 4	ACE/TOL	HAZ	D021, D022		NORLITE	ST010803	INCIN	1-Jun-04	0	42,800	42,800	42,800	0	0	1154	NYG5261418	BFC
	14.0115704		F005, F003, D001, D002,	1									•			0754004000	
1 1	NAOH/TOL	HAZ	F021, F002	inc	BRIDGEPORT		INCIN	4-Jun-04	0	44,800	44,800	44,800	0	0	1 <u>155</u>	CTF1084286	UNITED IND
			F005, F003, D001, D002,		l .							1	•			0754004007	
1 N	NAOH/TOL	HAZ	F021, F002	Inc	BRIDGEPORT		INCIN	7-Jun-04	0	45,440	45,440	45,440	0	0	1156	CTF1084287	UNITED IND
			F005, F003, D001, D002,	NDI/NDA													
1 1	NAOH/TOL	HAZ	F021, F002	Inc	BRIDGEPORT	1598FD2HFB	INCIN	8-Jun-04	0	30,000	30,000	30,000	0	0	1157	CTF0946828	UNITED IND
1 8	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	Recycle	7-Jun-04	0	4,030	4,030	0	0	4,030	1158	PAG475410	BFC

 854,063
 843,122
 777,555
 40,980
 24,597

 427.0315
 421.561
 388.7775
 20.49
 12.2985

WASTE	HAZI	EPA	PROCESS			DISP	SHIP	DISP	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HAZ	ICINERATIO	7 1 1 4 5 7 1 1 5 7 1 1	RECYCLI	. 1	STATE		TONS PE
OTY DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL	WT Ibs	WT	WT lbs	WT	ECOVER Ibs	NUM	MFST NUM	HAULER	CATEGOR
4 SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	0	14,080	14,080	0	0	14,080		PAG475406	AUTUMN	
2 SPENT CARBON	HAZ			ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	0	339	339	0	0	339		PAG475406	AUTUMN	
		FOO3, D001,															
		F005, D022, F002,															
1 ACE/TOL	HAZ	D021	NDI	NORLITE	SAN218211	INCIN	2-Jul-04	0	44,160	44,160		0	0	1160	NYG5261427	BFC	
1 WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	9-Jul-04	0	7,100	7,100	7,100	0	0	1161	IL9703838	HAZMAT EN	
1 WASTE SOLID		F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	14-Jul-04	0	3,620	3,620	3,620	0	0		IL10961290	BFC	
26 WASTE SOLID	HAZ	F005, F003, F002		ENSCO	1378178	INCIN	14-Jul-04	0	8,234	8,234	8,234	0	0		AR1224827	HAZMAT EN	
3 ACL	HAZ	D003		ENSCO	1393044	INCIN	14-Jul-04	0	577	577	577	0	0	1163	AR1224827	HAZMAT EN	
		F003, D001, D002,												1			
9 ACE/PHCF	HAZ	D003, F005		ENSCO	1434044	INCIN	14-Jul-04	0_	3,415	3,415	3,415	0	0		AR1224827	HAZMAT EN	
10 NAOH	HAZ	D002		ENSCO	1393023	INCIN	14-Jul-04	0	4,290	4,290	4,290	0	0		AR1224827	HAZMAT EN	
1 NON REG WATER	NON	D004 F000 ====	PHCF	CECOS	13599	TREAT	16-Jul-04	0_	17,700	0	0	0	0	1164	NYR000045724	BFC	ļ
40 405/501		D001, F002, F003,						_	, ,				_	1455			
43 ACE/TOL		F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	0	14,590	14,590	14,590	0	0	1165	NYG5261193	UNITED IND	
NACE/TO!		D001, F002, F003,				11.0			, , , ,	0.455	0.400	_		4465	NIVOTOO4 400	1 14 11 11 11 11 11 11	
8 ACE/TOL		F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	0	3,106	3,106	3,106	0	0		NYG5261193	UNITED IND	
36 TOL/METH	HAZ	D001, F005, F003		NORLITE	ST0113-03	INCIN	14-Jul-04	0	16,236	16,236	16,236	0	0	1165	NYG5261193	UNITED IND	
1 ACE/TOL	11147	F003, D001, F002, F005, D021, D022	NDI	NODUTE	OT040000	INICINI	40 101 04	ا م ا	40.000	40.000	19,920	_		1100	NIVOOOGAATA	LIMITED IND	
1 SPENT CARBON			NDI	NORLITE ENVIRO	ST010803	INCIN	16-Jul-04 19-Jul-04	0	19,920	19,920	19,920	0 4,190	0		NYG2884374 PAG475407	UNITED IND	
1 PETROLEUM WASTE	NON	F002, F003, F005			CHEMNYWW NY10827JF	TREAT	28-Jul-04	21	4,190 0	4,190 0		0	0		TXR000050930	SAFETY CLN	+
3 SPENT CARBON		F002, F003, F005		SAFETY CLN	CHEMNYWW	TREAT	26-3ui-04 2-Aug-04	21	12,410	12,410	0	12,410	0		PAG475408	AUTUMN	ļ
1 SPENT CARBON		D001, D021, F002		ENVIRO ENVIRO	VDMNYAF	TREAT	2-Aug-04 2-Aug-04	<u> </u>	182	182	0	182	0		PAG475408	AUTUMN	+
1 TOL/DEA	HAZ	D001, F005		NORLITE	SAN218296	INCIN	5-Aug-04	1	35,120	35,120	35,120	0	0		NYG5261931	BFC	+
1 TOL/DEA	HAZ	D001, F005	·	NORLITE	SAN218297	INCIN	6-Aug-04	 0	34,360	34,360	34,360	0	0			BFC	
1 TOL/DEA	HAZ	D001, F005		NORLITE	ST014802		24-Aug-04	1 0	35,720	35,720	35,720	0	0			BFC	<u> </u>
1 UNIV WASTE LAMPS	NON	2001,1 000		BETHLEHEM	12868		25-Aug-04	0	300	0	0	0	0		NJD054126164	FREEHOLD	+
2 SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	2-Sep-04	0	9,800	9,800	0	9,800	0		PAG475409	AUTUMN	
3 SPENT CARBON	HAZ	F005		ENVIRO	TOLNY-CP	TREAT	2-Sep-04	0	6,502	6,502	0	6,502	0		PAG475409	AUTUMN	+
1 SPENT CARBON		D001, D021, F002		ENVIRO	VDMNY-AF	TREAT	2-Sep-04	0	196	196	0	196	0		PAG475409	AUTUMN	
1 SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY-AF	TREAT	2-Sep-04	0	201	201	0	201	0		PAG475409	AUTUMN	
1 TOL/DEA	HAZ	F005		NORLITE	ST014802	INCIN	14-Sep-04	0			37,280	0	0		NYG5261949	BFC	
1 SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	9-Sep-04		4,530	4,530	0	4,530	0		PAH095765	AUTUMN	
5 SPENT CARBON	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	9-Sep-04		13,275		0	13,275	0		PAH095765	AUTUMN	1
24 NON REG PTSI	HAZ	CRO5		BRIDGEPORT	0928DN4		22-Sep-04		13,618		13,618	0	0	1177	CTF1047385	UNITED IND	1
8 NON REG HAZ SOLIDS	HAZ	CRO5		BRIDGEPORT	0927DN4		22-Sep-04		2,114	2,114	2,114	0	0	1177	CTF1047385	UNITED IND	
5 NON REG BOH	NON			NORLITE	ST039703	TREAT	20-Sep-04	0	2,007	0	0	0	0	1178	CTD021816889	UNITED IND	
		D001, D022, F002,															
9 ACE/TOL	HAZ	F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	3,575	3,575	3,575	0	0	1179	NYG5260302	UNITED IND	
		D001, D022, F002,															
31 ACE/TOL	HAZ	F005, D021		NORLITE	ST004502		20-Sep-04			10,512	10,512	0	0			UNITED IND	
3 DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Sep-04	0	2,007	2,007	2,007	0	0	1179	NYG5260302	UNITED IND	
		F005, F003, D001,										· · ·					
5 HCL/TOL		D002, F002, D021			2258ESTD2L		22-Sep-04		2,196	2,196	2,196	0	0			UNITED IND	
3 SPENT CARBON/TOL		F002, F003, F005		ENVIRO	VANCHEMNY		28-Sep-04		13,193	13,193	0	13,193	0		PAH095770	AUTUMN	
1 SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	VANTOLNYCP		28-Sep-04		1,770	1,770	0	1,770_	0		PAH095770	AUTUMN	ļ
1 SPENT CARBON/CBZ		D001, D021, F002		ENVIRO	VANVDMNYAF	TREAT	28-Sep-04	0	173	173	0	173	0	1181	PAH095770	AUTUMN	<u> </u>
		F002, F003, F005,															
28 WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	28-Sep-04	0	8,006	8,006	8,006	0	10	1182	AR1442486	HAZMAT EN	1

ìΤ\	WASTE DESCRIPTION	HAZ/ NON		PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	NCINERATIO WT Ibs	11 S. W. M. P. C.	RECYCLI ECOVER ibs	alterity of profiles	STATE MFST NUM	HAULER	TONS PER
			F003, D001, D002,	<u> </u>														
2	ACE/METHOXYPHCF	HAZ	D003, F005		ENSCO	1419625	INCIN	28-Sep-04	0	512	512	512	0	0		AR1442486	HAZMAT EN	
1	HAZ WASTE LIQUID	HAZ	F002		ENSCO	1481052	INCIN	28-Sep-04	0	379	379	379	0	0	1182	AR1442486	HAZMAT EN	
12	CHDA/CHDCL DEBRIS	HAZ			ENSCO	1481055	INCIN	28-Sep-04	0	1,968	1,968	1,968	0	0	1182	AR1442486	HAZMAT EN	
1	PHCF STILL BOTTOM	HAZ			ENSCO	1378189	INCIN	28-Sep-04	0	97	97	97	0	0	1182	AR1442486	HAZMAT EN	
										413,560	393,553	312,712	66,422	14,419				
										207	196.8	156.4	33.2	7.2				
\neg											1							

2004 HAZARDOUS WASTE Rev																	
WASTE DESCRIPTION	HAZI NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION WT	WW	RECYCLE	MFST	STATE	HAULER	TONS PER
	11011		WASTE		CODE		-	gals	ibs	ibs	ibs	lbs	lbs	NUM	NUM	PANCLIA	SAILGON
								3						1	1		
PETROLEUM NAPHTHA	NON			SAFETY CLN	105371715	TREAT	14-Oct-04	24				 		1186	TXR000050930	SAFETY CLN	
SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	28-Oct-04	0	10.240	10.240	0	0	10.240	1186	PAH095723	AUTUMN	
*****		F005, F002, D021, D002,								1							
SPENT CARBON/TOL	HAZ	D001		ENVIRO	SOLVNYCP	TREAT	28-Oct-04	0	3,156	3,156	0	0	3,156	1186	PAH095723	AUTUMN	
SPENT CARBON/TOL	HAZ	F005, D001		ENVIRO	BUSPNYAF	TREAT	28-Oct-04	0	1,025	1,025	0	0	1,025	1186	PAH095723	AUTUMN	
BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	2-Nov-04	0	29	29	29	0	0	97170	AR1497170	SJ TRANS	
		F002, F003, F005, D021,			1	1						ļ					7
WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	2-Nov-04	0	2,774	2,774	2,774	0	0	97170	AR1497170	SJ TRANS	
METHANOL WASTE	HAZ	F003, D001		ENSCO	1309250	INCIN	2-Nov-04	0	1,398	1,398	1,398	0	0	97170	AR1497170	SJ TRANS	
		D002, F003, F005, D021,															
SODIUM HYD WASTE	HAZ	F002		ENSCO	1393023	INCIN	2-Nov-04	0	234	234	234	0	0	97170	AR1497170	SJ TRANS	
MET/TOL	HAZ	F003, D001, F005	CHDCL	NORLITE	ST028503	INCIN	2-Nov-04	0	42,820	42,820	42,820	0	0	1187	NYG5261058	BFC	
SANDBLAST GRIT	NON			MICHIGAN WTP	022100WTS	TREAT	4-Nov-04	0	23,380	0	0	0	0	1188	MI9537268	FREEHOLD	
			CARBAESTE	=													
MET/TOL	HAZ	F003, D001, F005	R	NORLITE	ST028503	INCIN	12-Nov-04	0	44,680	44,680	44,680	0	0	1189	NYG5261097	BFC	
SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	RECYC	12-Nov-04	0	9,730	9,730	0	0	9,730	1190	PAH095722	AUTUMN	
SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	BUSNYAF	RECYC	12-Nov-04	0	481	481	0	0	481	1190	PAH095722	AUTUMN	
		F003, D001, D022, F002,															
ACE/TOL	HAZ	F005, D021		NORLITE	ST004502	INCIN	14-Dec-04	0	7,844	7,844	7,844	0	0	1191	NYG5258934	UNITED IND	
4 OF ITO		F003, D001, D022, F002,						_					}		1	1	1
ACE/TOL	HAZ	F005, D021		NORLITE	ST004502	INCIN	14-Dec-04	0	12,322	12,322	12,322	0	0	1191	NYG5258934	UNITED IND	ļ
DMF	HAZ	D001		NORLITE	ST010202	INCIN	14-Dec-04	0	678	678	678	0	0	1191	NYG5258934	UNITED IND	ļ
PTSI RES	NON			BRIDGEPORT	0928DN4	INCIN	14-Dec-04	0	12,133	0	0	0	0	1192	CTF1068597	UNITED IND	
WASTE SOLID NON REG PNBC	NON			BRIDGEPORT	0927DN4	INCIN	14-Dec-04	0	2,601	0	0	0	0	1192	CTF1068597	UNITED IND	
NON REG PNBC	NON			NORLITE	ST021203	INCIN	14-Dec-04	0	1,522	0	0	0	0	1193	CTD021816889	UNITED IND	
NON REG PINBC	NON	E002 E002 E005 D024		NORLITE	ST021203	INCIN	14-Dec-04	0	1,626	0	0	0	0	1193	CTD021816889	UNITED IND	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		FNOO	1378178	INCIN	15-Dec-04		1,877	4 077	1,877	0	l o	1194	AD4407040	1	
ACE/METHOXYPHCF	HAZ	F003, D001, D002, D003		ENSCO ENSCO	1419625	INCIN	15-Dec-04	0	670	1,877 670	670	0	0	1194	AR1497212 AR1497212	HAZMAT EN HAZMAT EN	
SODIUM HYD WASTE	HAZ	D002, D005		ENSCO	1453325	INCIN	15-Dec-04	0	454	454	454	0	0	1194	AR1497212		+
1,6 HBCF WASTE	HAZ	D002, D003		ENSCO	1481077	INCIN	15-Dec-04	0	904	904	904	0	0	1194	AR1497212	HAZMAT EN HAZMAT EN	
1.5 NDI WASTE	HAZ	D002, D003		ENSCO	1481086	INCIN	15-Dec-04	0	52	52	52	0	0	1194	AR1497212	HAZMAT EN	
NITRIC ACID	HAZ	D003		ENSCO	1481087	INCIN	15-Dec-04	0	1,208	1,208	1,208	0	0	1194	AR1497212	HAZMAT EN	
ACL WASTE	HAZ	D002		ENSCO	1393044	INCIN	15-Dec-04	- 6	7,555	7,555	7,555	0	0	1194	AR1497212	HAZMAT EN	
GCPCF WASTE	HAZ	D003		ENSCO	1481084	INCIN	15-Dec-04	0	1,339	1.329	1.329	0	0	1194	AR1497212	HAZMAT EN	
3 CHLOPRPANOL WST	HAZ		<u></u>	ENSCO	1481083	INCIN	15-Dec-04	0	356	0	0	0	0	1194	AR1497212	HAZMAT EN	-
SPENT CARBON/TOL	HAZ	F002, F003, F005	 	ENVIROTROL	CHEMNYWW	TREAT	21-Dec-04	0	7,300	7,300	0	0	7.300		PAH095467	WEAVER TRANS	
SPENT CARBON/TOL	HAZ	F005		ENVIROTROL	TOLNY-CP	TREAT	21-Dec-04	0	209	209	0	0	209		PAH095467	WEAVER TRANS	
SPENT CARBON/METH	HAZ	F002		ENVIROTROL	GASNYCP	TREAT	21-Dec-04	0	399	399	0	0	399		PAH095467	WEAVER TRANS	†
MET/TOL	HAZ	F003, D001, F005		NORLITE	ST028503	INCIN	29-Dec-04	0	15.020	15.020	15,020	0	0		NYG5261076	BFC	
ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	0	4.082	4.082	4.082	0	0		AR1497217	TRIAD	
		F002, F003, F005, D021,		1	1				.,	-,,,,,,,	.,552						
WASTE SOLID	HAZ	D022		ENSCO	1378178	INCIN	21-Dec-04	0	213	213	213	0	0	1197	AR1497217	TRIAD	
PCF/POH	HAZ	D001, D002, D003		ENSCO	1328263	INCIN	21-Dec-04	ŏ	689	689	689	Ö	0		AR1497217	TRIAD	
AMIDE CHLORIDE WST	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	0	69	69	69	ō	0	1197	AR1497217	TRIAD	
				ENSCO			22-Dec-04	-		1				1198			

179,441 146,901 0 32,540

	DOLLARS	
total tons generated		
tons not subjet to assessn	nent	
ton subject to assessment		· · · · · · · · · · · · · · · · · · ·
tons incinerated	\$0.00	
tons wwt	\$0.00	
total assessment due	\$0.00	

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA	PROCESS	TOOF	45550	DISP	SHIP	DISP	HAZ	INCINERATION	ww	RECYCLE
	CATEGORY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	WT lbs_	WT lbs	WT lbs	WT lbs	RECOVER'
	 			F003, D001,									<u></u>	<u> </u>
	A-1	MET/TOL	HAZ	F005	CARBAESTER	NORLITE	ST028503	INCIN	12-Nov-04	44,680	44,680	44,680	0	0
1	I A-1	MET/TOL	HAZ	F003, D001, F005	CHDCL	NORLITE	ST028503	INCIN	2-Nov-04	42,860	42,860	42,860	0	0
												87,540	pounds	
												43.77	tons	
		ODOD#UED			CUDI							1.242		ļ
4	A-2	ODCB/HEP	HAZ	D001	CHDI	NORLITE	ST004502	INCIN	10-Mar-04	1,916	1,916	1,916	0	0
1	A-2	ODCB/HEP	HAZ	D001 D001, F002,	CHDI	NORLITE	ST021803	INCIN	10-Mar-04_	324	324	324	0	0
1	A-2	ODCB/HEP	HAZ	D021, F005	CHDI	NORLITE	ST026003	INCIN	19-Mar-04	32,800	32,800	33,080	0	0
1	A-2	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	200	200	200	0_	0
16	A-2	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	4,800	4,800	4,800	0	0
										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	40,320	pounds	<u> </u>
										<u> </u>		20.16	tons	
			·	D001, F003,			<u> </u>					T		T
1	A-3	MET/TOL	HAZ	F005 D001, F003,	FC-102	NORLITE	ST028503	INCIN	2-Jan-04	40,420	40,420	40,420	0	0
1	A-3	MET/TOL	HAZ	F005	FC-102	NORLITE	ST028503	INCIN	5-Jan-04	41,240	41,240	41,240	0	_0
1	A-3	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	7-Jan-04	46,480	46,480	46,480	0	0
	A 2	MET/TOL		D001, F003,	FC 400									
	A-3	WE1/TOL	HAZ	F005 D001, F003,	FC-102	NORLITE	ST028503	INCIN	14-Jan-04	43,800	43,800	43,800	0	0
1	A-3	MET/TOL	HAZ	F005	FC-102	NORLITE	ST028503	INCIN	19-Jan-04	37,340	37,340	37,340	0	0
1	A-3	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	21-May-04	40,660	40,660	40,660	0	0
				D001, F003,							<u></u>			
1	A-3	METH/TOL	HAZ	F005 D001, F003,	FC-102	NORLITE	ST028503	INCIN	11-May-04	43,620	43,620	43,620	0	0
1	A-3	METH/TOL	HAZ	F005	FC-102	NORLITE	ST028503	INCIN	14-May-04	44,100	44,100	44,100	0	0
1	A-3	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	18-May-04	43,160	43,160	43,160	0	0
				D001, F003,										
1	A-3	MET/TOL	HAZ	F005		NORLITE	ST028503	INCIN	29-Dec-04	15,020	15,020	15,020	00	00
		<u></u>										395,840 197.92	pounds tons	
				 								131.32	10113	
1	A-4	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218296	INCIN	5-Aug-04	35,120	35,120	35,120	0	0
1	A-4	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218297	INCIN	6-Aug-04	34,360	34,360	34,360	0	0
1	A-4	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	14-Sep-04	37,360	37,360	37,360	0	0
					HEP/ACL/									

142,560

pounds

QTY	WASTE	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP	DISP	HAZ WT	INCINERATION WT	ww wt	RECYCLE
					WASTE		CODE		3 7	lbs	lbs	lbs	lbs	lbs
				1		l	İ					71.28	tons	
	T	THF/MTB	114.7	D001	L-Val	NODUTE	0.7040400		1 22 1 24	40.400	1 40.400	10.400		Т
	A-5 A-5	THF/MTB	HAZ HAZ	D001	L-Val	NORLITE NORLITE	ST012403 ST012403	INCIN	23-Jan-04 27-Jan-04	40,100 46,080	40,100 46,080	40,100 46,080	0	0
	A-5 A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	30-Jan-04	43,600	43,600	43,600	0	0
	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	3-Feb-04	46,960	46,960	46,960	0	0
	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	4-Feb-04	46,540	46,540	46,540	0	0
1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	6-Feb-04	41,960	41,960	41,960	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Feb-04	45,100	45,100	45,100	0	1 0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	13-Feb-04	33,900	33,900	33,900	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	17-Feb-04	47,660	47,660	47,660	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	20-Feb-04	36,000	36,000	36,000	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	24-Feb-04	46,080	46,080	46,080		
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Mar-04	419	419	419	0	0
												474,399	pounds	
												237.20	tons	
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	23-Mar-04	46,040	46,040	46,040	0	0
	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403			·			0	0
<u>'</u>	A-6	THE/#VITE	- IAZ	D001, D021,	Z-vai	NORLITE	51012403	INCIN	26-Mar-04	43,580	43,580	43,580		
1	A-6	THF/MTB	HAZ	F002	Z-Val	NORLITE	ST012403	INCIN	30-Mar-04	41,920	41,920	41,920	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	2-Apr-04	44,400	44,400	44,400	0	o
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	6-Apr-04	42,620	42,620	42,620	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	13-Apr-04	46,000	46,000	46,000	0	0
	7.0		117.22	D001, D021,		HOREITE	01012100		10 / (p) 0 /	40,000	10,000	40,000		
1	A-6	THF/MTB	HAZ	F002 D001, D021,	Z-Val	NORLITE	ST012403	INCIN	16-Apr-04	43,780	43,780	43,780	0	0
1	A-6	THF/MTB	HAZ	F002	Z-Val	NORLITE	ST012403	INCIN	20-Apr-04	41,300	41,300	41,300	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	30-Apr-04	38,760	38,760	38,760	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	5-May-04	41,100	41,100	41,100	0	0
1		THF/MTB		D001, F002, D021	Z-Val									
· · ·	A-6	ITTENVILE	HAZ	D021	Z-Val	NORLITE	ST012403	INCIN	16-Mar-04	46,740	46,740	46,740	0	0
				1								476,240	pounds	
												238.12	tons	
				D001, F002,	79.141									<u> </u>
1	A-7	THF/MTB	HAZ	D021, F003 D001, F002,	Z-Val	NORLITE	ST012403	INCIN	7-May-04	38,500	38,500	38,500	0	°
1	A-7	THF/MTB	HAZ	D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	29,580	29,580	29,580	0 -	0

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE
					WASIE		CODE			IDS	IDS	IDS	IDS	lbs
												68,080	pounds	
												34.04	tons	
4	cs	ACE/TOL	HAZ	D001		NORLITE	ST004502	INCIN	5-Feb-04	1,200	1,200	1,200	0	0
								a i						
				D001, F002, F003, F005,										
1	CS-1	ACE/TOL	HAZ	D021, D022	NDI	NORLITE	SAN218211	INCIN	2-Jul-04	44,820	44,820	44,820	0	0
				D001, F002, F003, F005,										
9	CS-1	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	20-Sep-04	3,575	3,575	3,575	0	0
				D001, F002,		· •								
31	CS-1	ACE/TOL	HAZ	F003, F005, D021, D022		NORLITE	ST004502	INCIN	20-Sep-04	10,512	10,512	10,512	0	0
			<u> </u>	D001, F002,										
33	CS-1	ACE/TOL	HAZ	F003, F005, D021, D022		NORLITE	ST004502	INCIN	5-Feb-04	9,900	9,900	9,900	0	
				D001, F002,						-1				
35	CS-1	ACE/TOL	HAZ	F003, F005, D021, D022		NORLITE	ST004502	INCIN	10-Mar-04	13,533	13,533	13,533	0	0
		7.02/102	1,7,12,	D001, F002,		NONEITE	01001002	TO IT	10 Mar 04	10,000	10,000	10,550		
9	CS-1	ACE/TOL	HAZ	F003, F005, D021, D022		NORLITE	CT004500	INCIN	1 lun 04	2 202	2 202	2 202	0	
3	<u> </u>	ACE/TOL	ПАХ.	D001, B022		NORLITE	ST004502	INCIN	1-Jun-04	3,283	3,283	3,283	0	0
40	00.4	A OF TO	1147	F003, F005,		NODLITE	07004500	IN ON I	44.1.184	41.500	44.500		_	
43	<u>CS-1</u>	ACE/TOL	HAZ	D021, D022 D001, F002,		NORLITE	ST004502	INCIN	14-Jul-04	14,590	14,590	14,590	0	0
_				F003, F005,										
8	CS-1	ACE/TOL	HAZ	D021, D022 D001, F002,		NORLITE	ST004502	INCIN	14-Jul-04	3,106	3,106	3,106	0	0
				F003, F005,							:			
21	CS-1	ACE/TOL	HAZ	D021, D022 D001, F002,		NORLITE	ST004502	INCIN	14-Dec-04	7,844	7,844	7,844	0	0
				F003, F005,										
36	CS-1	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	14-Dec-04	12,322	12,322	12,322	0	0
				D001, F002, F003, F005,										
11	CS-1	ACE/TOL	HAZ	D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	4,398	4,398	4,398	0	0
				D001, F002, F003, F005,										
1	CS-1	ACE/TOL	HAZ	D021, D022	NDI	NORLITE	ST010803	INCIN	1-Jun-04	42,800	42,800	42,800	0	0
				D001, F002, F003, F005,										
1	CS-1	ACE/TOL	HAZ	D021, D022	NDI	NORLITE	ST010803	INCIN	16-Jul-04	19,920	19,920	19,920	0	0
				D001, F002, F003, F005,										
1	CS-1	ACE/TOL	HAZ	D021, D022	FC-102	NORLITE	ST010803	INCIN	25-May-04	43,780	43,780	43,780	0	0
				D001, F002,				-						
3	CS-1	ACE/TOL	HAZ	F003, F005, D021, D022		NORLITE	ST026003	INCIN	10-Mar-04	1,105	1,105	1,105	0	0
								**		·	······································	235,488	pounds	

NTY .	WASTE CATEGORY	WASTE	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP WT	HAZ WT	INCINERATION WT	ww wt	RECYCL
	OATEOOK)	DEGOKII TION		CODEO	WASTE	1001	CODE		DATE	lbs	lbs	lbs	lbs	lbs
														<u> </u>
								<u></u>				117.74	tons	<u> </u>
	CS-2	METHANOL WA	HAZ	F003, D001		ENSCO	1309250	INCIN	2-Nov-04	1,398	1,398	1,398	0	0
				D001, F005,									,	
1	CS-2	TOL/METH	HAZ	F003 D001, F005,		NORLITE	ST011303	INCIN	1-Jun-04	412	412	412	0	0
36	CS-2	TOL/METH	HAZ	F003		NORLITE	ST0113-03	INCIN	14-Jul-04	16,236	16,236	16,236	00	0
			····									18,046	pounds	
												9.02	tons	
				F003, D001,										
2	A-8	ACE/METHOXY	HAZ	D002, D003 F003, D001,		ENSCO	1419625	INCIN	15-Dec-04	670	670	670	0	0
				D002, D003,										
2	A-8	ACE/METHOXY	HAZ	F005		ENSCO	1419625	INCIN	28-Sep-04	512	512	512	0	0
										·		1,182	pounds	<u> </u>
												0.59	tons	<u> </u>
												-		
3		ACL	HAZ	D003		ENSCO	1393044	INCIN	14-Jul-04	577	577	577	0	0
101		ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	15-Dec-04	7,555	7,555	7,555	0	0
2		ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	4,082	4,082	4,082	0	0
	D-1	AMIDE CHLORI	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	69	69	69 12,283	0 pounds	0
												6.14	tons	-
								· · · · · · · · · · · · · · · · · · ·				0.14	tons	_
1	D-2	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	2-Nov-04	29	29	29	0	0
				D002, D003,										
1	D-2	IBCF	HAZ	D001 D001, D002,		ENSCO	1453346	INCIN	5-Feb-04	200	200	200	0	0
1	D-2	IBCF	HAZ	D003	· · · · · · · · · · · · · · · · · · ·	ENSCO	PLC3-29	INCIN	5-Feb-04	50	50	50	0	0
2	D-2	PCF/POH	HAZ	D001, D002, D003		ENSCO	1328263	INCIN	21-Dec-04	689	689	689	0	0
2	D-2	1,6 HBCF WAS	HAZ	D002, D003	***************************************	ENSCO	1481077	INCIN	15-Dec-04	904	904	904	0	0
3	D-2	GCPCF WASTE	HAZ	D003		ENSCO	1481084	INCIN	15-Dec-04	1,329	1,329	1,329	0	0
												3,201	pounds	
												1.60	tons	
													*	
1		THCL/BUTYRI C ACID	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	50	50	50	0	0
}		METHANESUL												
1		FONYL METHANESUL	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	10	10	10	0	0
1	E	FONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	10	10	10	0	0
ا		METHANESUL FONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	10	10	10	0	0

2004 HAZARDOUS	WASTE REPORT	WORKSHEET
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	WASTE	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	HAZ	INCINERATION	ww	RECYCLE
QTY	CATEGORY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	wr	wr	wr	WT	RECOVERY
					WASTE		CODE			lbs	lbs	lbs	lbs	lbs
		ETHYLAMINE/ AQU SOL	HAZ	D004 D003		FNOO	4440040	110(1)		4.0	40	40		
1.	<u>E</u>	METHANESUL	ПАД	D001, D002		ENSCO	1449310	INCIN	5-Feb-04	10	10	10	0	0
1	E	FONYL	HAZ	D002		ENSCO	1449310	INCIN	5-Feb-04	10	10	10	0	0
1	E	AEROSOLS	HAZ	D001		ENSCO	1449373	INCIN	1-Jun-04	1	1	1	0	0
1	E	PHOS ACID	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	10	10	10	0	0
1,	E	DISINFECTANT	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	40	40	40	0	0
1	E	BUT/XYLOL	HAZ	D001		ENSCO	1449673	INCIN	1-Jun-04	20	20	20	0	0
1	E	1CHLOR 2PRO	HAZ	D001, F003, F005, P102, F002		ENSCO	ERG131	INCIN	5-Feb-04	50	50	50	0	0
	1	METHYLMORP												T
1	E	HOLINE	HAZ	D001, D002		ENSCO	ERG132	INCIN	5-Feb-04	10	10	10	0	0
1	E	BCL/TMTC	HAZ	D001, D002, U008, FF05		ENSCO	ERG132	INCIN	5-Feb-04	50	50	50	0	0
1	E	TOL	HAZ	D001, F005		ENSCO	ERG133	INCIN	5-Feb-04	50	50	50	0	0
1	E	HYDRAZINE HYDRATE	HAZ	D002, U133		ENSCO	ERG153	INCIN	5-Feb-04	50	50	50	0	0
1	E	PHENOL	HAZ	U188		ENSCO	ERG153	INCIN	5-Feb-04	10	10	10	0	0
1	E	HYDROFLUOR	HAZ	D002		ENSCO	ERG157	INCIN	5-Feb-04	10	10	10	0	0
1	E	BZCL	HAZ	D002, P028		ENSCO	PLC3-20	INCIN	5-Feb-04	10	10	10	0	0
1	E	NBI/OCT SOL IS	HAZ	D001		ENSCO	PLC3-25	INCIN	5-Feb-04	10	10	10	0	0
1	E	2FUROYL CL	HAZ	D002		ENSCO	PLC3-26	INCIN	5-Feb-04	100	100	100	0	0
1	E	TMTC	HAZ	D002		ENSCO	PLC3-28	INCIN	5-Feb-04	10	10	10	0	0
1	E	1,5 NDI WASTE	HAZ	D003		ENSCO	1481086	INCIN	15-Dec-04	52	52	52	0	0
												583	pounds	_
·												0.29	tons	
1	F-ACL	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	26-May-04	11,100	11,100	11,100	0	0
3	F-ACL	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Sep-04	2,007	2,007	2,007	0	0
2	F-ACL	DMF	HAZ	D001		NORLITE	ST010202	INCIN	14-Dec-04	678	678	678	0	0
												13,785	pounds	
												6.89	tons	-
1	l	HAZ WASTE LI	HAZ	F002		ENSCO	1481052	INCIN	28-Sep-04	379	379		379	0
1	l	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	23-Feb-04	47,840	47,840	0	47,840	0
1	l	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	23-Feb-04	44,140	44,140	0	44,140	0
1	I	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	24-Feb-04	47,240	47,240	0	47,240	0
1	<u> </u>	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	27-Feb-04	23,420	23,420	0	23,420	0
1	1	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	27-Feb-04	39,800	39,800	О	39,800	0

1 I METHONAL/TH HAZ F003 Z-Val 4 J WASTE SOLID HAZ F005, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO ENSCO ENSCO	12342AAF 1378178 1378178	INCIN	5-Apr-04 18-Mar-04	41,160 519	41,160 519	519	41,160 243,979 121.99	0 pounds
4 J WASTE SOLID HAZ F002, F003, F005, D021, D022 WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO ENSCO	1378178	INCIN	18-Mar-04				243,979 121.99	pounds
4 J WASTE SOLID HAZ F005 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO	1378178			519	519	519	121.99	
4 J WASTE SOLID HAZ F005 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO	1378178			519	519	519		0
4 J WASTE SOLID HAZ F005 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO	1378178			519	519	519	0	0
26 J WASTE SOLID HAZ D022 44 J WASTE SOLID HAZ D022 44 J WASTE SOLID HAZ D022 28 J WASTE SOLID HAZ D022 28 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO	1378178			519	519	519	0	0
26 J WASTE SOLID HAZ D022 44 J WASTE SOLID HAZ D022 28 J WASTE SOLID HAZ D022 28 J WASTE SOLID HAZ D022 12 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022	ENSCO		INCIN	10-Mar-04					r
## Proof of the content of the conte	ENSCO				5,303	5,303	5,303	0	0
44 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022		1378178			· · · · · · · · · · · · · · · · · · ·			11 81 81	
28 J WASTE SOLID HAZ F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022		1070170	INCIN	1-Jun-04	10,895	10,895	10,895	0	0
28 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F005, D021, D022 F002, F003, F003, F005, F003, F005, F003, F005, F003, F005, F003, F005, F003, F005, F003, F005, F003, F005, F005, F003, F005, F00	ENSCO		III	1-0011-0-4	10,000	10,000	10,000	· · · · · · · · · · · · · · · · · · ·	<u> </u>
12 J WASTE SOLID HAZ F002, F003, F005, D021, D022 8 J WASTE SOLID HAZ D022 8 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 F002, F003, F003, F005, F003, F005, F003, F005, F003, F005, F003, F005,	ENSCO I	4070470	IMOINI	00.0 04	0.000	0.000	0.000	0	
12 J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022 B J WASTE SOLID HAZ D022 F002, F003, F005, D021, D022		1378178	INCIN	28-Sep-04	8,006	8,006	8,006	0	0
8 J WASTE SOLID HAZ D022 F002, F003,									
8 J WASTE SOLID HAZ D022 F003, 0021, 0022	ENSCO	1378178	INCIN	2-Nov-04	2,774	2,774	2,774	0	0
F002, F003,									
	ENSCO	1378178	INCIN	15-Dec-04	1,877	1,877	1,877	0	0
F005, D021,									
1 J WASTE SOLID HAZ D022	ENSCO	1378178	INCIN	21-Dec-04	213	213	213	0	0
26 J WASTE SOLID HAZ F002	ENSCO	1378178	INCIN	14-Jul-04	8,234	8,234	8,234	0	0
F005, F003,	LIVOCO	1370170	INCIN	14-341-04	0,234	0,234	0,234		
	ONYX ENV	655907	INCIN	9-Jul-04	7,100	7,100	7,100	0	0
1 J WASTE SOLID HAZ F002 NDI/NDA Inc	ONYX ENV	655907	INCIN	14-Jul-04	3,620	3,620	3,620	0	0
	J				0,020		48,541	pounds	
							24.27	tons	
2 K-1 SPENT CARBO HAZ D001, F005	ENVIRO	BUSNYAF	RECYC	12-Nov-04	481	481	0	0	481
SPENT 2 K-1 CARBON HAZ D001, F005	END//DO	DUODAN	TDEAT	00 Jan 04	0.44	0.44			
2 K-1 CARBON HAZ D001, F005 5 K-1 SPENT CARBO HAZ D001, F005	ENVIRO ENVIRO	BUSPNY BUSPNY	TREAT TREAT	29-Jan-04 12-Feb-04	344 805	344 805	0 0	0	344 805
5 K-1 SPENT CARBO HAZ D001, F005	ENVIRO	BUSPNY AF	TREAT	12-Peb-04 11-May-04	855	855	1	0	855
1 K-1 SPENT CARBO HAZ D001, F005	ENVIRO	BUSPNY AF	TREAT	20-May-04	172	172	0	0	172
4 K-1 SPENT CARBO HAZ F005, D001	ENVIRO	BUSPNYAF	TREAT	28-Oct-04	1,025	1,025	0	0	1,025
1 K-1 SPENT CARBO HAZ D001, F005	ENVIRO	BUSPNY-AF	TREAT	2-Sep-04	201	201	1 0 1	0	201
						3,883	pounds		
						1.94	tons		
SPENT F002, F003, 3 K-2 CARBON HAZ F005	ENVIRO	CHEMNY	INCIN	6-Jan-04	13,330	13,330	0	0	13,330
SPENT F002, F003, 1 K-2 CARBON HAZ F005	ENVIRO	CHEMNY	TREAT						

1

	WASTE	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	HAZ	INCINERATION	ww	RECYCLE
QTY	CATEGORY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	WT	WT	WT	WT	RECOVER
			<u> </u>		WASTE		CODE			lbs	lbs	lbs	lbs	ibs
	 			F002, F003,								-		
2	K-2	SPENT CARBO	HAZ	F005		ENVIRO	CHEMNY	TREAT	12-Feb-04	9,740	9,740	_ 0	0	9,740
4	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	25-Feb-04	17,740	17,740	0		17,740
	10-2	OF ENT OF TREE	1772	F002, F003,		LIVINO	OTILIVIAL	INCAI	25-1 65-04	17,740	17,740	- 		17,740
2	K-2	SPENT CARBO	HAZ	F005 F002, F003,		ENVIRO	CHEMNY	TREAT	24-Mar-04	7,237	7,237	_	0	7,237
2	K-2	SPENT CARBO	HAZ	F002, F003,		ENVIRO	CHEMNY WW	TREAT	11-May-04	5,948	5,948		0	5,948
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY WW	TDEAT	20 May 04	7 444	7 444			7.444
	N-Z	SPENT CARBO	<u></u>	F002, F003,		EINVIRO	CHEIVINT VVVV	TREAT	20-May-04	7,444	7,444	0	0	7,444
1	K-2	SPENT CARBO	HAZ	F005		ENVIRO	CHEMNYWW	TREAT	19-Jul-04	4,190	4,190	0	0	4,190
3	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	2-Aug-04	12,410	12,410	0	0	12,410
				F002, F003,			0.15.11.11.0							
3	K-2	SPENT CARBO	HAZ	F005 F002, F003,		ENVIRO	CHEMNYWW	TREAT	28-Oct-04	10,240	10,240	0	0	10,240
2	K-2	SPENT CARBO	HAZ	F005		ENVIRO	CHEMNYWW	RECYC	12-Nov-04	9,730	9,730	0	0	9,730
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYWW	TREAT	21-Dec-04	7,300	7,300	0	0	7,300
				F002, F003,	- .					-				
1	K-2	SPENT CARBO	HAZ	F005 F002, F003,		ENVIRO	CHEMNY-WW	TREAT	7-Jun-04	4,030	4,030	0	0	4,030
4	K-2	SPENT CARBO	HAZ	F005		ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	14,080	14,080	0	0	14,080
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	339	339		0	339
				F002, F003,										
2	K-2	SPENT CARBO	HAZ	F005 F002, F003,		ENVIRO	CHEMNY-WW	TREAT	2-Sep-04	9,800	9,800	0	0	9,800
1	K-2	SPENT CARBO	HAZ	F005		ENVIRO	VANCHEMNY	TREAT	9-Sep-04	4,530	4,530	0	0	4,530
3	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	28-Sep-04	13,193	13,193	0	0	13,193
										,	155,727	pounds		1,
								ire-		***	77.86	tons		
2	K-3	SPENT CARBO	<u>H</u> AZ	F002	Pilot Lab	ENVIROTROL	GASNYCP	TREAT	21-Dec-04	399	399	pounds	0	399
			***************************************								0.20	tons		ļ <u>-</u>
				F005, F002, D021, D002,										
1	K-4	SPENT CARBO	HAZ	D001	HCI	ENVIRO	SOLVNYCP	TREAT	28-Oct-04	3,156	3,156	pounds	0	3,156
								_			1.58	tons		_
				D004	717.1							<u> </u>		
3	K-5	MTBE/THF	HAZ	D001	Z-Val	ENVIRO	TETRNY CP	TREAT	11-May-04	5,735	5,735	pounds	0	5,735
				 							2.87	tons		
3	K-6	SPENT CARBO	HAZ	F005	HEGCI	ENVIRO	TOLNY-CP	TREAT	2-Sep-04	6,502	6,502	0	6,502	-
1		SPENT CARBO	HAZ	F005	HEGCI	ENVIROTROL	TOLNY-CP	TREAT	21-Dec-04	209	209	0	0,302	209
5		SPENT CARBO	HAZ	D001, F005	HEGCI	ENVIRO	VANTOLNYCP	TREAT	9-Sep-04	13,275	13,275	0	13,275	0
1	_	SPENT CARBO	HAZ	D001, F005	HEGCI	ENVIRO	VANTOLNYCP	TREAT	28-Sep-04	1,770	1,770	0	1,770	0

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	DISP WT	HAZ WT	INCINERATION WT	ww wt	RECYCLE
					WASTE		CODE			lbs	lbs	lbs	lbs	lbs
											21,756	pounds		
											10.88	tons		
						 								
				D001, D021,	<u> </u>		<u> </u>		 					
1	K-7	SPENT CARBO	HAZ	F002	PTSI	ENVIRO	VANVDMNYAF	TREAT	28-Sep-04	173	173	0	173	0
4		SPENT CARBON	1147	D001, D021, F002	PTSI	5N1 (1DC)) (DAA) IV	Main		200				
	K-7	CARBON	<u>H</u> AZ	D001, D021,	PISI	ENVIRO	VDMNY	INCIN	6-Jan-04	203	203	0	0	203
1	K-7	SPENT CARBO	HAZ	F002	PTSI	ENVIRO	VDMNY	TREAT	12-Feb-04	185	185	0	0	185
1		Ī		D001, D021,										
2	K-7	SPENT CARBO	HAZ	F002	PTSI	ENVIRO	VDMNY AF	TREAT	11-May-04	385	385	0	0	385
	K -7	SPENT CARBO	HAZ	D001, D021, F002	PTSI	ENVIRO	VDMNYAF	TREAT	2 4 04	182	182	0	182	
<u> </u>	1\-7	SPENT CARBO	TIAL	D001, D021,	1101	ENVIRO	VDIVINTAP	IREAT	2-Aug-04	102	102	 	102	 -
1	K-7	SPENT CARBO	HAZ	F002	PTSI	ENVIRO	VDMNY-AF	TREAT	2-Sep-04	196	196	0	196	0
					1						1,324	Pounds		T
											0.66	tons	·	
			*											
				F005, F003,						<u> </u>				
ĺ				D001, D002,					[1		1
1	MC-1	NAOH/TOL	HAZ	F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	8-Jun-04	30,000	30,000	30,000	0	0
				F005, F003, D001, D002,					!					
1	MC-1	NAOH/TOL	HAZ	F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	4-Jun-04	44,800	44,800	44,800	0	0
				F005, F003,		<u> </u>	1000, 121, 10		7 00 0 .	11,000	,	1 11,100		
				D001, D002,							1	1		
1		NAOH/TOL	HAZ	F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	7-Jun-04	45,440	45,440	45,440	00	0
10	MC-1	NAOH	HAZ	D002		ENSCO	1393023	INCIN	14-Jul-04	4,290	4,290	4,290	0	0
				D002, F003,										
1	MC-1	SODIUM HYD V	HAZ	F005, D021, F002] [ENSCO	1393023	INCIN	2-Nov-04	234	234	234	0	0
1		SODIUM HYD V	HAZ	D002, D005		ENSCO	1453325	INCIN	15-Dec-04	454	454	454	0	0
	1010-1	300101111111111111111111111111111111111	TIME	2002, 2000		LINGCO	1403020	INCIN	15-060-04	454	404	+		
		-				1	 					125,218	pounds	
		F		 		-						62.61	tons	
 +				F002, F005,								<u> </u>	···	
6	MC-2	HCL WASTE	HAZ	D02, F005,		ENSCO	1450506	INCIN	1-Jun-04	2,586	2,586	2,586	0	0
	2		, 15	D002, D021,		2.1000		11.0111	, 5311 0-7	2,500	2,000	 		
1	MC-2	HCL/THF	HAZ	F002, F005	L-Val	EQ RES	A59404	INCIN	6-Feb-04	38,560	38,560	38,560	0	0
T			<u> </u>	D002, D021,										
4	MC-2	HCL/THF	HAZ	F002, F005, D001	L-Val	EQ RES	A59404	INCIN	5-Feb-04	40,100	40,100	40,100	0	0
	IVIQ-2	IIOL/IFF	ПАД	D001 D002, D021,	L-Val	EURES	A394U4	INCIN	5-Feb-04	40,100	40,100	40,100	U .	
				F002, F005,		j l								
1	MC-2	HCL/THF	HAZ	D001	L-Val	EQ RES	A59404	INCIN	2-Feb-04	27,240	27,240	27,240	00	0
T		l ICI		D002, D021,	1 12-1							15		
1	MC-2	HCL	HAZ	F002, F005	L-Val	EQ RES	A59404OTS	INCIN	26-Jan-04	17,780	17,780	17,780	0	0
	ď	í		D002, F002,	[i				1	1		1
		I		F003, F005,								j		i .

				i iara ote		CODE		DATE	WT lbs	lbs	WT lbs	WT lbs	RECOVERY
	1 1			WASTE		CODE			102	ins.	ius	103	103
5 MC-2	HCL/TOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGEPORT	2258ESTD2L	INCIN	22-Sep-04	2,196	2,196	2,196	0	0

3	3	O-1	NITRIC ACID	HAZ	D002		ENSCO	1481087	INCIN	15-Dec-04	1,208	1,208	1,208	0	0
9	9	0-2	ACE/PHCF	HAZ	F003, D001, D002, D003, F005		ENSCO	1434044	INCIN	14-Jul-04	3,415	3,415	3,415	0	0
1		O-3	HAZ WASTE LI	HAZ	F002, F003, F005, D021	CBZ / TOL / XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	35,200	35,200	35,200	0	0
1		O-3	HAZ WASTE LI	HAZ	F002, F003, F005, D021	CBZ / TOL / XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	29,560	29,560	29,560	0	0
1		0-3	LIQUID WASTE	HAZ	F002, F003, F005, D021	THF/MTBE Release	NORLITE	ST015103	INCIN	26-Feb-04	34,780	34,780	34,780	0	0
1		0-3	LIQUID WASTE	HAZ	F002, F003, F005, D021	THF/MTBE Release	NORLITE	ST015103	INCIN	26-Feb-04	12,560	12,560	12,560	0	0
			<u>. </u>			•					2,749,370		112,100	pounds	

2,749,370 1,375

56.05

tons

On-site waste water

D002

608.41

tons

Grand Total	2,827,499	pounds
	2,021.69	tons

1,983.10

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD059748192	Site 2-Norlite NYD080469935	Site 3-EQRR MID060975844	Site 4-Bridgeport United CTD002593887	Site 5-CECOS NYD080336241	Site 6-Envirtrol PAD987270725	Site 7-ONXY Env ILD098642424
MISC SOLVENT WASTE (Carb/CHDCL)	A-1	43.77	2.17%		43.77					
MISC SOLVENT WASTE (CHDI/NDI)	A-2	20.16	1.00%		20.16					
MISC SOLVENT WASTE (FC-102)	A-3	197.92	9.79%		197.92					
MISC SOLVENT WASTE (HEGCI)	A-4	71.28	3.53%		71.28					
MISC SOLVENT WASTE (L/Z Val)	A-5	237.20	11.73%		237.20					
MISC SOLVENT WASTE (Z Val + cleaning	A-6	238.12	11.78%		238.12					
MISC SOLVENT WASTE (Z Val + cleaning	A-7	34.04	1.68%		34.04					
MISC SOLVENT WASTE (PILOT LAB)	A-8	0.59	0.03%	0.59						
CLEANING SOLVENTS	CS	0.60	0.03%		0.60					
CLEANING SOLVENTS	CS-1	117.74	5,82%		117.74					
CLEANING SOLVENTS	CS-2	9.02	0.45%	0.70	8.32			*		
OFF SPEC AMIDE CHLORIDE	D-f	6.14	0.30%	6.14						
OFF SPEC CHLOROFORMATES	D-2	1.60	0.08%	1.60						
LAB PACS	E	0.29	0.01%	0.29						
PROCESS RESIDUE- KILLED DMF	F	6.89	0.34%		6.89					
WASTEWATER TREATED OFF SITE	1	121.99	6.03%	0.19				121.80		
WASTEWATER TREATED ON SITE	I-W	608.41	30.09%							
SPILLS/CLEANUP/PLANT SAMPLES	J	24.27	1.20%	18.91						5.36
CARBON (Busch Pump)	K-1	1.94	0.10%						1.94	
CARBON (Effluent)	K-2	77.86	3.85%						77.86	
CARBON (Pilot lab)	K-3	0.20	0.01%		_				0.20	
CARBON (HCI)	K-4	1.58	0.08%						1.58	
CARBON (L-Val air)	K-5	2.87	0.14%						2.87	
CARBON (HEGCI)	K-6	10.88	0.54%						10.88	-
CARBON (Busch Pump)	K-7	0.66	0.03%						0.66	
MISC CORROSIVE (NaOH)	MC-1	62.61	3.10%	2.49			60.12			
MISC CORROSIVE (HCL)	MC-2	64.68	3.20%	1.29		61.84	1.55			
TANK PASSIVATION	0-1	0.60	0.03%	0.60						
PROCESS CHANGE OVER CLEANING	O-2	1.71	0.08%	1.71						
TANK CLEANOUT PT-16	O-3	56.05	2.77%		56.05					
·OTAL		2021.69	100.00%	34.52	1032.10	61.84	61.67	121.80	95,99	5.36

Misc Solvents - total	A-1 - A-8	843.08	İ	1	 			L	1_
Cleaning Solvents - Total	CS - CS-2	127.37				[Г
Off Spec - Total	D-1 - D-2	7.74]
Lab Pacs	E	0.29]
Process Residue	F	6.89			,]
Wastewater - Total	1 & I-W	730.40]
SPILLS/CLEANUP/PLANT SAMPLES	J	24.27]
Carbon - Total	K-1 - K-7	95.99]
Misc Corresive	MC-1 & MC-2	127.29]
TANK PASSIVATION	0-1	0.60					•		_

 PROCESS CHANGE OVER CLEANING
 0-2
 1.71

 TANK CLEANOUT PT-16
 0-3
 56.05

 2021.69
 2021.69

 Total non-wastewater
 1291.29

VDM00709

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	wr	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
·		 		WASTE	ļ	CODE	ļ		gals	Ibs	lbs	lbs	lbs	Ibs	NUM	NUM	ļ <u>-</u>	
					<u> </u>					 				 		 		
	PETROLEUM NAPHTHA	NON			SAFETY KLN		INCIN	6-Jan-05	24	0	0	0	0	0	5001	NYD981556541	SAFETY KLN	
	SPENT CARBON/TOL SPENT CARBON/METH	HAZ HAZ	F002, F003, F005 F002	Plant		VANCHEMNYWW	TREAT	1-Feb-05	0	10,000	10,000	0	0	10,000	1198_		WEAVER	
	OF ENT CARBON/WETH	I NAZ	F002 F003, D001, D022,	Pilot Lab	 	VANGASNYCP	TREAT	1-Feb-05	0	600	600	0	0	600	1198_	PAH095716	WEAVER	
24	ACETONE/TOL	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	15-Feb-05	0	9,065	9,065	9.065	0		1199	NYG4337208	UNITED IND	
			F003, D001, D022,					10 1 52 00		3,000	0,000	0,000		1 -		1113 133 133	3, 2	
	ACETONE/TOL	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	15-Feb-05	00	2,882	2,882	2,882	00	0	1199	NYG4337208	+	
	NON REG WASTE	NON	CR05	ļ	BRIDGEPORT	0926DLHN1	INCIN	15-Feb-05	0	743	0	743	0	0	1200	CTF1084289		
	PTSI RESIDUE	NON	CR05 CR05		BRIDGEPORT	0927DN4 0928DN4	INCIN	15-Feb-05	0	2,268	0	2,268	0	0	1200	CTF1084289		
	NON REG PNBC	NON	OR03	 	BRIDGEPORT NORLITE	ST021203	INCIN	15-Feb-05 15-Feb-05	0	6,987 668	0	6,987 668	0	$\begin{vmatrix} 0 \\ 0 \end{vmatrix}$	1200 1201	CTF1084289 CTD021816889		
			F002, F003, F005,	 	- NORLITE	01021200		10 1 02 00		1 - 555	_ -	- 555		 	1201	010021010003	CHITEDINE	
	WASTE SOLIDS	HAZ	D021, D022		ENSCO	1378178	INCIN	15-Feb-05	0	3,073	3,073	3,073	0		1202	AR1496897	FREEHOLD	
	NBI WASTE	HAZ	D001, D003		ENSCO	1453334	INCIN	15-Feb-05	0	721	721	721	0	0	1202	AR1496897		
	NBI WASTE TMBCL/HEP WASTE	HAZ	D001, D003		ENSCO	1453334	INCIN	15-Feb-05	0	706	706	706	0	1 0	1202	AR1496897		
	NON REG AVANEL/H20	HAZ NON	D003	<u> </u>	ENSCO	1481085	INCIN	15-Feb-05	0	2,631	2,631	2,631	0	0	1202		FREEHOLD	
	SPENT CARBON/TOL	HAZ	F002, F003, F005	Plant	NORLITE ENVIR	ST007202 CHEMNYWW	TREAT	15-Feb-05 15-Feb-05	0	948 6,000	6,000	948 0	00	6,000	1203 1206	CTD021816889 PAH095717	WEAVER	
	SPENT CARBON/TOL	HAZ	D001, F005	D-7/D-9	ENVIR	VANBUSPNY	TREAT	15-Feb-05	$\frac{0}{0}$	180	180	0 1	0	180	1206	PAH095717	WEAVER	
			D001, D002, D021,			11.11.5561.111	1112/11	10 1 00 00		1	1.00			1 1	1200	17,11000717	102711211	
	SPENT CARBON/CBZ	HAZ	F002, F005	Acid	ENVIR	VANSOLVNY	TREAT	15-Feb-05	0	1,500	1,500	0	0	1,500	1206	PAH095717	WEAVER	
	METH/TOL	HAZ	F003, D001, F005	NBA/Acl/Clean	NORLITE	ST028503	INCIN	23-Feb-05	0	43,960	43,960	43,960	. 0	0	1207	NYG5261085	BFC	
	TOL/DEA METH/TOL	HAZ	F005, D001	TEU/Spill/Acl	NORLITE	ST014802	INCIN	28-Feb-05	0	40,160	40,160	40,160	0	0	1208_	NYG4337253	BFC	
	METH/TOL	HAZ HAZ	F003, D001, F005 F003, D001, F005	TEU/DEA TOL/DEA/DMF	NORLITE NORLITE	ST028503 ST028503	INCIN	2-Mar-05	0	39,720 35,540	39,720	39,720 35,540	00	0	1209 1210	NYG4336398 NYG5261094	BFC BFC	
	SPENT CARBON/TOL	HAZ	F002, F003, F005	Plant	ENVIR	VANCHEMNYWW	TREAT	5-Mar-04 9-Mar-05	0	16,000	35,540 16,000	0	0	16,000	1210	PAH095718	WEAVER	
				· idile	LIVIT	VAINOTIEIVIIVIVVV	TINE/AT	3-Wai-03		10,000	10,000			10,000	12 1	1 741030710	VILAVEIX	
	METH/TOL	HAZ		TEU/HEGCL /DMF	NORLITE	ST028503	INCIN	9-Mar-05	0	43,981	43,981	43,981	0	0	1212	NYG52601103	BFC	
	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	14-Mar-05	0	42,700	42,700	42,700	0	0	1213	NYG5261112		
	SPENT CARBON/TOL SPENT CARBON/TOL	HAZ	D001, F005	HEGCI	ENVIR	VANTOLUNYCP	TREAT	14-Mar-05	0	7,500	7,500	0	0	7,500	1214	PAH095719	BFC	
	SPENT CARBON/TOL	HAZ HAZ	D001, F005 F002, F003, F005	D-7/D-9 Plant	ENVIR	VANBUSPNY	TREAT TREAT	17-Mar-05 17-Mar-05	0	3,600 6,000	3,600 6,000	0	0	3,600 6,000	1215 1215	PAH095721 PAH095721	WEAVER WEAVER	
	SPENT CARBON/TOL	HAZ	D001, F005	HEGCI	ENVIR ENVIR	VANCHEMNYWW VANTOLUNYCP	TREAT	17-Mar-05	0	2,400	2,400	0		2,400	1215	PAH095721	WEAVER	
	SPENT CARBON/CBZ	HAZ	D001, D021, F002	PTSI	ENVIR	VANVDMNY		17-Mar-05	0	180	180	ő	0	180	1215	PAH095721	WEAVER	
			F002, F003, F005,															
<u>7</u> [WASTE SOLIDS	HAZ	D021, D022		ENSCO	1378178	INCIN	22-Mar-05	00	2,093	2,093	2,093	0	0	1216	AR1496950	TRAID	
4	ACETONE/TOL	1147	F003, D001, F005,						_				_					
	BCF WASTE	HAZ HAZ	D022, F002, D021 D002, D003		ENSCO ENSCO	1419677 1434004	INCIN	22-Mar-05	0	420	420	420 1,447	0	0	1216 1216	AR1496950 AR1496950	TRAID TRAID	
	DOI WITCHE		F003, D001, F005,		ENSCO	1434004	INCIN	22-Mar-05	0	1,447	1,447	1,441	0	0	1210	AR 1490950	TRAID	<u> </u>
ł			D022, F002, D002,	ľ						1		ŀ		1		İ		
	ACETONE/NAOH	HAZ	D021		ENSCO	1434040	INCIN	22-Mar-05	0	523	523	523	0	0	1216	AR1496950	TRAID	
	SPENT CARBON/TOL	HAZ	F005, D001	HEGCI	ENVIR	VANTOLUNYCP		22-Mar-05	0	5,400	5,400	0	0	5,400	1217	PAH095720	WEAVER	
	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503		24-Mar-05	0	40,780	40,780	40,780	0	0	1218	NYG5261121	BFC	
	METH/TOL SPENT CARBON/TOL	HAZ HAZ	F003, D001, F005 F002, F003, F005	HEGCI HEGCI	NORLITE	ST028503		28-Mar-05	0	43,680	43,680	43,680	0	12,000	1219	NYG5261139		
	SPENT CARBON/TOL	HAZ	F005, D001	HEGCI	ENVIR ENVIR	VANCHEMNYWW VANTOLUNYCP		28-Mar-05 28-Mar-05	0	12,000 3,000	12,000 3,000	0	0	12,000 3,000	1220 1220	PAH182715 PAH182715	WEAVER WEAVER	
	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	3/30/2005	0	44,440	44,440	44,440	0	0 0	1221	NYG4336407	BFC	
	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	4/1/2005	0	43,960	43,960	43,960	0	1 0	1222	NYG5261148	BFC	
	SPENT CARBON/TOL	HAZ	F002, F003, F005	HEGCI	ENVIR	VANCHEMNYWW	TREAT	4/1/2005	0	13,500	13,500	0	0	13,500	1223	PAH182718	WEAVER	
1	SPENT CARBON/TOL	HAZ	F005, D001	HEGCI	ENVIR	VANTOLUNYCP	TREAT	4/1/2005	0	2,600	2,600	0	0	1,600	1223	PAH182718	WEAVER	
.ا،	HAZ WASTE LIQUID	HAZ	F002, F003, F005,	DT 40	NOBLITE	OT045400		E A C=	_	00.000	00.000	00.000	•		4004	NIVO 1000 100		
	METH/TOL	HAZ HAZ	D021, D022 F003, D001, F005	PT-16 HEGCI	NORLITE NORLITE	ST015103	INCIN	5-Apr-05	0	39,320	39,320	39,320	0	0	1224 1225	NYG4336488		 _
' '		11/1/4	F003, D001, F003	REGUI	NORLITE	ST028503	INCIN	6-Apr-05	0	17,960	17,960	17,960	U	 	1225	NYG4336416	BFC	·
1 1	HAZ WASTE LIQUID	HAZ	D021	PT-16	NORLITE	ST015103	INCIN	5-Apr-05	o	18,840	18,840	18,840	0	0	1226	NYG4336479	UNITED IND	
1 [PETROLEUM NAPHTHA	NON			SAFETY KLN	NY10827JF	INCIN	8-Apr-05	0	20	0	20	0	0	1227	NYD981556541		

 	WASTE	HAZ/	EPA	PROCESS	<u> </u>		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	T	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	1	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
				WASTE		CODE			gals	lbs	lbs	lbs	lbs	Ibs	NUM	NUM		
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	11-Apr-05	0	12,000	12,000	0	0	12,000	1228	PAH182716	WEAVER	
1	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	TREAT	11-Apr-05	0	1,800	1,800	0	0	1,800	1228	PAH182716	WEAVER	
<u> </u>	0. 2.1. 0. 1.00102			97% Vils/Carb/		VIII CECITION		117,51 00	<u> </u>	1,000	1,000			1 11000				
1	METH/TOL	HAZ	F003, D001, F005	HEGCL	NORLITE	ST028503	INCIN	18-Apr-05	0	44,200	44,200	44,200	0	0	1229	NYG4336425	BFC	
	METH/TOL	HAZ	F003, D001, F005	Carb	NORLITE	ST028503	INCIN	22-Apr-05	0	31,160	31,160	31,160	0	0	1230	NYG4336434		
	SPENT CARBON/HEP	HAZ	D001, F005	97% Vils	ENVIR	VANBUSPNYAF	TREAT	26-Apr-05	0	360	360	0	0	360	1231	PAH182717	WEAVER	
	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANTETRNY	TREAT	26-Apr-05	0	2,000	2,000	0	0	2,000	1231	PAH182717	WEAVER	
-	SPENT CARBON/TOL	HAZ	F002, F003, F005	97% Vils	ENVIR	VANCHEMNYWW	TREAT	26-Apr-05	0	6,000	6,000	0	0	6,000	1231	PAH182717	WEAVER	
	SPENT CARBON/HEP	HAZ HAZ	D001, F005 D001	97% Vils	ENVIR	VANBUSPNYAF	TREAT TREAT	4-May-05	0	2,000	400	0	0	2.000	1232 1232	PAH182717 PAH182723	WEAVER WEAVER	
	SPENT CARBON/HEP METH/TOL	HAZ	F003, D001, F005	97% Vils 97%/Carb/HEGCI	ENVIR NORLITE	VANTETRNY ST028503	INCIN	4-May-05 18-Apr-05	0	44,200	2,000 44,200	44,200	0	2,000	1232	NYG4854996		
	IMETTI/TOE	11/1/4	F002, F003, F005,	91 /0/Carb/ricoci	NONLITE	31020303	INCIN	10-Ap1-03	 	44,200	44,200	44,200	<u> </u>	 	1200	14104054990	Bi O	
22	WASTE SOLIDS	HAZ	D021, D022		ENSCO	1378178	INCIN	11-May-05	l 0	6,632	6,632	6,632	0		1234	AR1496790	FREEHOLD	
			D002, F003, F005,		2555	10.01.0		, , , , , , , ,	<u> </u>	1 0,002	3,002	0,00=						
3	CAUSTIC/SODIUM HYD	HAZ	D021, F002		ENSCO	1393023	INCIN	11-May-05	0	1,422	1,422	1,422	0	0	1234	AR1496790	FREEHOLD	
13	ACL SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	11-May-05		2,662	2,662	2,662	0	0	1234	AR1496790	FREEHOLD	
			F003, D001, D002,															
	ACE/METH	HAZ	D003		ENSCO	1419625	INCIN	11-May-05	0	437	437	437	0	0	1234	AR1496790		
	IPOH LIQUIDS	HAZ	D001, DD09		ENSCO	1481142	INCIN	11-May-05	0	44	44	44	0	0	1234		FREEHOLD	
1	2HEA LIQUIDS	HAZ	Food Doo's Doos		ENSCO	1481157	INCIN	11-May-05	0	476	476	476	0	0	1234	AR1496790	FREEHOLD	
4-	ACE/TOL	1147	F003, D001, D022,		NOBLITE	QT004500	INCIN	11 14		E 050	E GEO	E 050	0		4005	NYG4855005	LINITED IND	
15	ACE/TOL	HAZ	F002, F005, D021 F003, D001, D022,		NORLITE	ST004502	INCIN	11-May-05	0	5,659	5,659	5,659	0	 0	1235	NYG4855005	UNITED IND	
0	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	11-May-05	0	3,483	3,483	3,483	0	0	1235	NYG4855005	LINITED IND	
	DMF	HAZ	D001		NORLITE	ST010202	INCIN	11-May-05		333	333	333	0	1 0	1235		UNITED IND	
	OIL WASTE	NON	D001		BRIDGEPORT	0926DLHN1	INCIN	11-May-05		404	0	404	0	0	1236	CTF1068599	UNITED IND	
	WASTE SOLIDS	NON			BRIDGEPORT	0927DN4	INCIN	11-May-05	ō	988	ō	988	0	Ö	1236	CTF1068599	UNITED IND	
	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4	INCIN	11-May-05	0	7,706	0	7,706	0	0	1236	CTF1068599	UNITED IND	
			F005, F003, D001,															
	HCL/TOL	HAZ	D002, F002, D021		BRIDGEPORT	2258ESTD2L	INCIN	11-May-05	0	1,512	1,512	1,512	0	0	1236	CTF1068599	UNITED IND	
	NON REG HEGCL	NON			NORLITE	ST00975N	INCIN	11-May-05	0	858	0	858	0	0	1237	CTV70623	UNITED IND	
	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANBUSPNY	TREAT	26-May-05	0	720	720	0	0	720	1238		WEAVER	
	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANTETRNY	TREAT	26-May-05	0	4,500	0 000	0	0	4,500	1238		WEAVER	
	SPENT CARBON/TOL SPENT CARBON/MCB	HAZ HAZ	F002, F003, F005 D001, D021, F002	PHCF	ENVIR ENVIR	VANCHEMNYWW	TREAT	26-May-05 26-May-05	0	9,000 180	9,000 180	0	0	9,000	1238 1238		WEAVER WEAVER	
I	SPENT CARBON/MCB	ПАД	F003, D001, F005,		ENVIR	VANVDMNY	IREAL	20-iviay-05	0	100	160	0	<u> </u>	100	1230	PAN 102122	VVEAVER	
1	ACE/TOL	HAZ	D022, F002, D021	DDI/PHCF	NORLITE	ST010803	INCIN	31-May-05	0	5.726	5,726	5,726	0		1239	NYG4255995	BFC	
	SPENT CARBON/TOL	HAZ	F002, F003, F005	DDIN NO.	ENVIR	VANCHEMNYWW	TREAT	1-Jun-05	0	9.000	9.000	0,720	0	9,000	1240	PAH182719	WEAVER	-
	BCF WASTE	HAZ	D001, F003	BCF	NORLITE	ST01355N	INCIN	6-Jun-05	4.455	37,155	37,155	37,155	0	0	1241		BFC	
			F003, D001, F005,						· · · · · · · · · · · · · · · · · · ·									
	ACE/TOL	HAZ	D022, F002, D021		NORLITE	ST010803	INCIN	7-Jun-05	2,550	21,267	21,267	21,267	0	0	1242	NYG4855959		
	METH/BENZYL ETHER	HAZ	D001, F003	BCF	NORLITE	ST01355N	INCIN	8-Jun-05	3,600	30,024	30,024	30,024	0	0	1243	NYG4855977	BFC	
	TOL/MET	HAZ	F005, F003, D001	PHCF	NORLITE	ST011303	INCIN	13-Jun-05	1,700	14,178	14,178	14,178	0	0	1244	NYG4856004		
	PETROLEUM NAPHTHA	NON	Dood Foor		SAFETY KLN	NYNA1635	INCIN	17-Jun-05	26	217	0	217	0	0	1245		SAFETY KLN	
	SPENT CARBON/TOL	HAZ	D001, F005		ENVIR	VANBUSPNYAF	TREAT	27-Jun-05	0	365	365	0	0	365 13,500	1246 1246	PAH182720	WEAVER	
	SPENT CARBON/TOL DIETHYLAMINE	HAZ HAZ	F002, F003, F005 D002, F005		ENVIR ENSCO	VANCHEMNYWW 1309254	INCIN	27-Jun-05 5-Jul-05	0	13,500 404	13,500 404	0 404	0	0	1246		WEAVER FREEHOLD	
!	DIE IIII EVIAIIAE	1174	F002, F003, F005,		I INOCO	1309234	HIVOHV	J-Jul-05	<u> </u>	+04	404	404	<u> </u>	 	1671	7.11.1-100000	I KLEHOLD	
14	WASTE SOLIDS	HAZ	D021, D022		ENSCO	1378178	INCIN	5-Jul-05	0	3,718	3,718	3,718	0	0	1247	AR1496993	FREEHOLD	
	CAUSTIC LIQUIDS	HAZ	D002, F003, F005		ENSCO	1393023	INCIN	5-Jul-05	0	758	758	758	0	ő	1247	AR1496993	FREEHOLD	
	WASTE SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	5-Jul-05	Ö	574	574	574	0	0	1247		FREEHOLD	
1	NBA WASTE	HAZ	D001		ENSCO	1453251	INCIN	5-Jul-05	0	394	394	394	0	0			FREEHOLD	
1	NBA WASTE	HAZ	D001		ENSCO	1453251	INCIN	5-Jul-05	0	212	212	212	0	0	1247	AR1496993	FREEHOLD	
	TOL/PHCF	HAZ	D001, D002, D003		ENSCO	1481169	INCIN	5-Jul-05	0	3,746	3,746	3,746	0	0	1247	<u> </u>	FREEHOLD	
	. =		F003, D001, F002,	-		1.0,,,00				-,	-1	-13	<u>-</u>	 		1		
26	ACE/TOL	HAZ	F005, D021, D022		NORLITE	ST004502	INCIN	5-Jul-05	0	9,810	9,810	9,810	0	0	1248	NYG4855356	UNITED IND	
	DMF	HAZ	D001		NORLITE	ST010202	INCIN	5-Jul-05	0	633	633	633	0	0	1248	·	UNITED IND	
	DMF	HAZ	D001		NORLITE	ST010202	INCIN	5-Jul-05	0	2,008	2,008	2,008	0	0			UNITED IND	
	PTSI RESIDUE	HAZ	CR05	· · · · · ·					0				0	0				
8	ILI 91 KE9IDOE	ПAZ	I CK05	L	BRIDGEPORT	0928DN4	INCIN	5-Jul-05	U	4,395	0	4,395	U		1249	TO 1 L 1008000	UNITED IND	

2005 WASTE LOG.XLS

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
				WASTE		CODE			gals	lbs	ibs	lbs	lbs	lbs	NUM	NUM		
	NON REG PNBC	HAZ_			NORLITE	ST021203	INCIN	5-Jul-05	0	1,338	0	1,338	0	0	1250	NYD981556541		
	NON REG BOH	HAZ	F000 F000 F005		NORLITE	ST039703	INCIN	5-Jul-05	0	1,881	0	1,881	0	0	1250	NYD981556541		
	SPENT CARBON/TOL	HAZ	F006, F003, F005		ENVIR	VANCHEMNYWW	TREAT	15-Jul-05	0	9,000	9,000	0	9,000	0	1251	PAH182721	WEAVER	
	METH/TOL NON REG SAND GRIT	HAZ NON	F003, D001, F005		NORLITE MDWTP	ST028503 022100WTS	INCIN	19-Jul-05	00	44,760	44,760	44,760	0 700	0	1252		BFC FRANKS	
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	21-Jul-05 22-Jul-05	<u>0</u>	29,706 13,500	13,500	0	29,706 13,500	0	1253 1253		AUTUMN	
	METH/TOL	HAZ	F003, D001, F005	ACL/CARB	NORLITE	ST028503	INCIN	25-Jul-05	0	43,860	43,860	43,860	0	0	1254	NYG4854978		
	METH/TOL	HAZ	F003, D001, F005		NORLITE	ST028503	INCIN	26-Jul-05	0	40,600	40,600	40,600	0	0	1255	NYG4854969)
	NON REG PNBC	NON	1 000, 2001, 1 000		NORLITE	ST021203	INCIN	1-Aug-05	0	10,080	0	10.080	0	0	1256	NYD175773779	BFC	,
	HCL/TOL	HAZ	F002, F005, D021		MDWTP	022622WTS	TREAT	2-Aug-05	0	10,000	10,000	10,000	0	Ö	1257	MI9568785	HAZMAT	
	METH/TOL	HAZ	F003, D001, F005	CARB/IECC	NORLITE	ST028503	INCIN	15-Aug-05	0	40,520	40,520	40,520	Ö	0	1258		BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	15-Aug-05	0	9,000	9,000	O	9,000	0	1259	PAH246793	WEAVER	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	22-Aug-05	0	4,500	4,500	0	4,500	0	1260	PAH246792	WEAVER	
			F005, D001, D002,						···									
	HCL/THF	HAZ	D021, F002		EI DUPONT	OW11974NY	INCIN	25-Aug-05	0	35,528	35,528	35,528	0	0	1261	NJA5237014	FREEHOLD	
	METH/TOL	HAZ	F003, D001, F005	IECC/ACL/L-VAL		ST028503	INCIN	26-Aug-05	0	43,700	43,700	43,700	0	0	1262		BFC	
	METH/TOL	HAZ	F003, D001, F005		NORLITE	ST028503	INCIN	30-Aug-05	0	41,640	41,640	41,640	0	0	1263	NYG4857939		
1	METH/TOL	HAZ	F003, D001, F005	VAL NCA	NORLITE	ST028503	INCIN	1-Sep-05	0	40,040	40,040	40,040	0	0	1264	NYG4857948	BFC	
	1101		F005, D001, D002,						_				_				1	
	HCL/THF	HAZ	D021, F002		EI DUPONT	OW11974NY	INCIN	2-Sep-05	0	26,400	26,400	26,400	0	0	1265		FREEHOLD	
	METH/TOL	HAZ	F003, D001, F005	VAL/ACL/IECC	NORLITE	ST028503	INCIN	6-Sep-05	0	38,540	38,540	38,540	0	0	1266		BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	12-Sep-05	0	9,000	9,000	0	9,000	0	1267	PAH246791	WEAVER	
,	CDENT CARROLITO	1147	F005, F002, D021,		ENDAD		DEOVO.	10.0 05	•		0.000			0.000	4007	DALIG40704	14/54)/55	
- 2	SPENT CARBON/TOL	HAZ	D002, D001		ENVIR	VANSOLVNY	RECYC	12-Sep-05	0	6,000	6,000	0	0	6,000	1267	PAH246791	WEAVER	
2	ACE/METH	UA7	F003, D001, D022,		ENCCO	1410625	INCIN	44 00- 05	0	040	040	040	0	,	4000	AD4407004	EDECTION D	
	ACE/METH	HAZ	F002, F005, D021 F002, F003, F005,		ENSCO	1419625	INCIN	14-Sep-05	0	918	918	918	<u> </u>	0	1268	AR1497064	FREEHOLD	
10	WASTE SOLIDS	HAZ	D021, D022		ENSCO	1378178	INCIN	14 Con 05	0	E 102	E 100	E 400	0	0	1000	AD4407064	EDECTION	
	ACL SOLIDS	HAZ	D021, D022		ENSCO	1393044	INCIN	14-Sep-05 14-Sep-05	0	5,183 4,306	5,183 4,306	5,183 4,306	0	0	1268 1268	AR1497064 AR1497064	FREEHOLD FREEHOLD	
	ACE GOLIDO	IIIAZ	F003, D001, D002,		LINGCO	11090044	INCIN	14-3ep-03		4,300	4,500	4,300		 	1200	AR 1497004	ILKEEHOLD	
1	ACE/4MPCF	HAZ	D003		ENSCO	1419625	INCIN	14-Sep-05	0	299	299	299	n	0	1268	AR1497064	FREEHOLD	
	HAZ WASTE LIQUID	HAZ	D003, D021	PTSI	ENSCO	1408339	INCIN	14-Sep-05	 0	390	390	390	0	0	1269	AR1497084	FREEHOLD	
<u>-</u>				Z-VAL NCA /	2.1000	1 100000		14 000 00			300	- 000			1200	74(1407004	TREETIGED	
1	METH/TOL	HAZ	F003, D001, F005	ETHYL ACE/HEP	NORLITE	ST028503	INCIN	26-Sep-05	0	44,888	44,888	44,888	0	0	1270	NYG4857966	BFC	
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW		27-Sep-05	$-\frac{1}{0}$	9,000	9,000	0	9,000	0	1271	PAH182900	WEAVER	
	SPENT CARBON/HEP	HAZ	D001		ENVIR	VANTETRNY		27-Sep-05	0	4,500	4,500	ō	4,500	0	1271	PAH182900	WEAVER	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIR	VANVDMNY		27-Sep-05	0	200	200	0	200	0	1271	PAH182900	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001, F005		ENVIR	VANBUSPNY	TREAT	27-Sep-05	0	200	200	0	200	0	1271	PAH182900	WEAVER	
			F003, D001, D022,															
3	ACE/TOL	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	4-Oct-05	0	1,226	1,226	1,226	0	0	1272	NYG5383098	UNITED IND	
-			F003, D001, D022,															
	ACE/TOL	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	4-Oct-05	0	3,821	3,821	3,821	0	0	1272	NYG5383098		
	TOL/MET	HAZ	D001, F03, F005		NORLITE	ST011303	INCIN	4-Oct-05	0	721	721	721	0	0	1272	NYG5383098		
	NON REG WASTE	NON	CR05		BRIDGEPORT	0927DN4	INCIN	4-Oct-05	0	3,018	0	3,018	0	0	1273	CTF1194976		
6	PTSI RESIDUE	NON	CR05		BRIDGEPORT	0928DN4	INCIN	4-Oct-05	0	3,181	0	3,181	0	0	1273	CTF1194976	UNITED IND	
اہ	HAZ MAOTE LIOLUS	,,,,	D021, F002, F003,		NODUTE.	DT045400			0 == :	07.5.5	07.010		_		40=4	100000000000000000000000000000000000000		
	HAZ WASTE LIQUID	HAZ	F005		NORLITE	ST015103		11-Oct-05	2,764	27,640	27,640	27,640	0	0	1274	NYG4857993		
	UNIVERSAL WST LAMPS	NON			BETHLEHEM	18148		11-Oct-05	0	150	0	0	0	0	1275	NJD054126164		
1	BATTERIES WET	NON			EAST PENN	UN2794	TREAT	11-Oct-05	0	80	0	0	0	0	1276	NJDO54126164	FREEHOLD	
4	METH/TOL	HAZ	DODA EDOS EDOS	Z-VAL NCA /	NOBLITE	ST039503	INCIN	17 Oct 05	0	44 900	44 000	44 800	0	,	1077	NIVOESDOODS		
1	IVIL I II/ I OL	ITAL	D001, F003, F005	ETHYL ACE/HEP Z-VAL NCA /	NORLITE	ST028503	INCIN	17-Oct-05	0	44,800	44,800	44,800	U	0	1277	NYG5382981	BFC	
4	METH/TOL	HAZ	D001, F003, F005	ETHYL ACE/HEP	NOBLITE	ST028503	INCIN	19-Oct-05	0	41,240	41,240	41 240	0	0	1070	NVC5393073	DEC	į
	WIET II/TOL	ПАД	טטטו, דטטט, דטטט	Z-VAL NCA /	INORLITE	31020003	INCIN	19-OCI-00	<u>U</u>	41,240	41,240	41,240	0	<u> </u>	1278	NYG5382972	BFC	
4	METH/TOL	HAZ	D001, F003, F005	ETHYL ACE/HEP	MODITE	STO28503	INCIN	21-Oct-05	0	27 040	37 040	27.040	0	,	1070	NVC5292062		
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR			24-Oct-05	0	37,940 9,000	37,940 9,000	37,940	9,000	0	1279 1280		BFC WEAVER	·
	SPENT CARBON/HEP	HAZ	D001, F005		ENVIR	VANCHEMNYWW		24-Oct-05	0	180	180	- <u>0</u>	180	0	1280		WEAVER	
	OL FILL OUTDOWNIEL	11/74	D001, F000		FIA A LI V	VANBUSPNYAF	INCAI	24-001-00	<u>v</u>	100	100		100	<u> </u>	1200	I ATTIOZUO	VVEAVER	•
		, ,		Z-VAL NCA /	1													

	WASTE	HAZ/	EPA	PROCESS	T	т —	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	Τ	TONS PER
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
\ \\ \\ \\ \	DESCRIPTION	NON	CODES	WASTE	1301	CODE	METHOD	DATE	gals	lbs	lbs	lbs	lbs	Ibs	NUM	NUM	HAULER	CATEGORT
		 	D001, D002, D021,	WASIL		CODE		-	yais	ing	ins	IUS	105	ins	NOM	MOIN		
	1 SPENT CARBON/CBZ	HAZ	F002, F005		ENVIR	VANSOLVNY	TREAT	31-Oct-05	0	1,500	1,500	1 0	1,500	0	1282	PAH182907	WEAVER	
	I OI LIVI OI WEONIODE	11742	D001, D021, D022,	Z-VAL NCA /		VARIOUZVIII	IIILAI	01-00-00	<u> </u>	1,500	1,555	 °	1,000	1 -	1202	1 ATTIO2507	VVEAVER	
	1 ACE/TOL	HAZ	F002, F003, F005	ETHYL ACE/HEP	NORLITE	ST010803	INCIN	7-Nov-05	0	25,249	25,249	25,249	0	0	1283	NYG5382099	BFC	
	1 CHLOROBENZENE	HAZ	D001, D021, F002	MCB/NDI	NORLITE	ST0266SN	INCIN	7-Nov-05	0	11,680	11,680	11,680	0	0	1284	NYG5382108		
			D001, D002, D021,		HORLETTE	010200011	1110111	7 1101 00		11,000	11,000	11,000	 	 	1207	141 00002100	151.0	
1	1 SPENT CARBON/CBZ	HAZ	F002, F005		ENVIR	VANSOLVNYCP	TREAT	4-Nov-05	0	500	500	l 0	500	0	1285	PAH182906	WEAVER	
	CHLOROBENZENE	HAZ	D001, D021, F002	MCB/NDI	NORLITE	ST0266SN	INCIN	11-Nov-05	0	8,871	8,871	8.871	0	0	1286	NYG4857012		
		······································		Z-VAL NCA /	1.0.1.1.1		1	1		0,0	9,0, 1	0,011	<u> </u>		1200	11101001012		
1	1 METH/TOL	HAZ	F003, D001, F005	ETHYL ACE/HEP	NORLITE	ST028503	INCIN	11-Nov-05	0	17,213	17,213	17,213	0	1 0	1287	NYG4857021	BFC	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	11-Nov-05	0	4,500	4,500	0	4.500	0	1288	PAH182905	WEAVER	
			D001, D002, D021,				1112111	11111111		,,555	1,000	† · · · ·	1,000	1 -		1741102000		
1	SPENT CARBON/CBZ	HAZ	F022, F005		ENVIR	VANSOLVNYCP	TREAT	11-Nov-05	l o	500	500	l n	500	lo	1288	PAH182905	WEAVER	
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	30-Nov-05	0	9,000	9,000	† <u> </u>	9,000	ō	1289	PAH182904	WEAVER	
	PETROLEUM NAPHTHA	NON			SAFETY KLN	557	TREAT	7-Dec-05	75	0,000	0	1 0	0,000		1290	TXR000050930	SAFETY KLN	
			F002, F003, F005,			1	1	†		<u> </u>	†	†	† <u>*</u>	 		1		
31	1 WASTE SOLIDS	HAZ	D021, D022		ENSCO	1378178	INCIN	13-Dec-05	9,747	9,747	9,747	0	l 0	l o	1290	AR1600015	FREEHOLD	
	ACL SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	13-Dec-05		4,970	4,970	1 0	0	0	1290		FREEHOLD	
			F003, D001, D002,			1.530011	1	1 200 00	-,5,5	† ., <u>,,,,</u>	1 .,5,5	†	<u> </u>	† - <u></u>		1		
1	I ACE/4MPCF	HAZ	D003		ENSCO	1419625	INCIN	13-Dec-05	199	199	199	0	0	0	1290	AR1600015	FREEHOLD	
	<u> </u>		F003, D001, F005,			1		1 200 00		†	1	† <u> </u>		<u> </u>	1200	1.11.0000.0	T. T. C. L. TOLD	
			D022, F002, D002,]					
10	ACE/NAOH	HAZ	D021		ENSCO	1434040	INCIN	13-Dec-05	4,717	4.717	4,717	0	0		1290	AR1600015	FREEHOLD	
	N-BUTYLAMINE	HAZ	D001		ENSCO	1453251	INCIN	13-Dec-05	597	597	597	0	0	0	1290		FREEHOLD	
	TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343	INCIN	13-Dec-05	22	22	22	t ő	0	0	1290		FREEHOLD	
	1,5 NAPHTYLENE ISO	HAZ	D003		ENSCO	1481086	INCIN	13-Dec-05	25	25	25	1 ő	0	0	1290		FREEHOLD	
	HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	13-Dec-05	558	558	558	 0	0	0	1290		FREEHOLD	
	AMINES SOLID CORR	HAZ			ENSCO	1475426	INCIN	13-Dec-05	35	35	35	0	0	0	1290		FREEHOLD	-
1	AMINES SOLID CORR	HAZ			ENSCO	1475425	INCIN	13-Dec-05	30	30	30	0	0	0	1290		FREEHOLD	
	7		F003, D001, D022,		LINGOO	1-17-0-12-0	- III	10 200 00		00	00	 	 	-	1230	71111000010	TREETIGED	
6	SIACE/TOL	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	13-Dec-05	1,924	1,924	1,924	l 0	ا ا	0	1292	NYG5382162	LIMITED IND	
	METH/BENZYL ETHER	HAZ	D001, F003		NORLITE	ST01355N	INCIN	13-Dec-05		7,346	7,346	Ö	0	1 6		NYG5382162	LIMITED IND	
			F003, D001, D022,		NOTIZET Z	0.0.000.		10 200 00	7,010	1,010	1,010	 		<u> </u>	1202	ITT GOODE TOE	OTTITED IND	
31	I ACE/TOL I	HAZ	F002, F005, D021		NORLITE	ST004502	INCIN	13-Dec-05	11,499	11,499	11,499	l o	0	lol	1292	NYG5382162	LINITED IND	
		17712	D021, F002, F003,		NONEITE	01001002	- III	10 800 00	11,400	11,400	11,400			 	1202	111 00002102	ORTILDING	
4	HAZ WASTE LIQUID	HAZ	F005		NORLITE	ST015103	INCIN	13-Dec-05	1,645	1.645	1,645	l o	۱ ،	lol	1293	NYG4857183	LINITED IND	
	NON REG WASTE	NON	1000		BRIDGEPORT	CRO5	RECYC	13-Dec-05	0	50	0	0	0	50	1294		UNITED IND	
	PTSI RESIDUE	NON			BRIDGEPORT	CR05	RECYC	13-Dec-05	0	2,174	0	 	0	2,174	1294	CTF1194984	UNITED IND	
	NON REG WASTE	NON			BRIDGEPORT	CR02	RECYC	13-Dec-05	0	1,999	0	Ö	0	1,999	1294	CTF1194984	UNITED IND	
	NON REG TEU/H20	NON			NORLITE	ST020003		13-Dec-05	0	79	0	0	79	0	1295	CTD021816889	UNITED IND	
	NON REG ETHYL ACE	NON			NORLITE	01020000		13-Dec-05		4,502	0	0	4,502	0	1295	CTD021816889		
	NON REG PNBC	NON		<u> </u>	NORLITE	ST021203		13-Dec-05	0	465	0	0	465	0	1296		UNITED IND	
	NON REG MATERIAL	NON			BRIDGEPORT	0927DN4		13-Dec-05	$\frac{0}{0}$	3,146	1 0	0	0	3,146	1297	Annual Control of the	UNITED IND	
	NON REG MATERIAL	NON			BRIDGEPORT	0926DLHN1		13-Dec-05	445	0,140	0	0	0	445	1297	 	UNITED IND	
	METH/TOL		D001, F003, F005	TEU/PNBC CLNOUT	NORLITE	ST028503	INCIN	19-Dec-05	0	43,100	43,100	43,100	0	0	1298		BFC	
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW		20-Dec-05	0	4,500	4,500	0	0	4,500			WEAVER	
	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIR	VANVDMNYAF		20-Dec-05	0	180	180	0	0	180			WEAVER	
	SPENT CARBON/HEP	HAZ	D001, F005		ENVIR	VANBUSPNYAF	+	20-Dec-05	0	180	180	0	0	180	1299		WEAVER	
	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	22-Dec-05	0	42,920	42,920	42,920	0	0			BFC	
	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4	INCIN	29-Dec-05	0	13,051	0	13,051	0	0			UNITED IND	
			F003, D001, D022,	· · · · · · · · · · · · · · · · · · ·	E. IID GET GIVE		1	20 200 00	_	10,001	<u> </u>	10,001	-	 	1001	211 110-1000	CHILED HAD	
1	ACE/TOL	HAZ	F002, F005, D021	ACE/TOL	NORLITE	ST004502	INCIN	29-Dec-05	0	320	320	320	0	1 o 1	1302	NYG4856184	UNITED IND	
			F003, D001, D002,	1.02,.02		3.00,002	.,,,	20 200 00		020	020	520	<u> </u>	 	1002	1.1.0 7000104	STATED IND	
			D022, F002, F005,]				
1	ACE/TOL	HAZ	D022, 1002, 1003,	ACE/TOL	NORLITE	ST004502	INCIN	29-Dec-05	0	412	412	412	0	1 0 1	1302	NYG4856184	I INITED IND	
			5021	7.02/102	HORLITE	0100400Z	I INOIN	23-280-03		712	712	714	J	 	1002	111 07000104	OMITED IND	
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	 					 				1,000,400	1,004,000	1,037,380	110,002	1,0,109				
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
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						 				1,308,069	496.58	432.80	4.50	76				

2005 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax.

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	WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE	l i	TONS PER
TY	DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
		i							gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	l	
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ev :	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gais	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGOR
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0.00 0.00 DOLLARS TONS total tons generated 0.00

2005 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax.

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WASTE	HAZ/	EPA	PROC		APPROVAL	DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		TONS PER
DESCRIPTION	NON	CODES	GEN	TSDF	CODE	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	CATEGORY
	<u> </u>			1	1]]	_	gals	lbs	lbs	lbs	ibs	lbs	NUM	NUM	1	•
tons not subjet to assessment	0.0						,							•		. •	
ton subject to assessment	0.00																
tons incinerated	0.0	\$0.00															
tons wwt	0.0	\$0.00															
total assessment due		\$0.00															

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 TOTALS		<u> </u>	 	<u> </u>	<u> </u>	<u> </u>	0.00	0.00	0.00	0.00	0.00		<u> </u>	J	
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 DESCRIPTION	NON	EPA CODES	PROC GEN	TSDF	İ	DISP METHOD	SHIP	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER
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2005 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

1	WASTE	HAZ/	EPA	PROCESS		1	DISP	SHIP	DIED	DISD	UA7	INCOMEDATION.	VA/VA/	DEOVOL	MAECT	STATE	T	TONE DED
YTK		HAZ	CFA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	MITSI	STATE		TONS PER
/ T	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL		WT	WT	w T	ECOVER	DOC	MFST	HAULER	CATEGORY
		1		WASTE		CODE	<u> </u>		gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM	•	
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2002 4TH QUARTER WASTE TAX

2005 HAZARDOUS WASTE REPORT WORKSHEET

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PE
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	TONS	DOLLARS
total tons generated		
tons not subjet to assessme	nt	
ton subject to assessment		
tons incinerated		\$0.00
tons wwt		\$0.00

total assessment due

TONS DOLLARS

\$0.00

Page 1

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	wwn	RECYCLE / REC	DOC	WASTE SUM
															0
										0.00	0.00	0.00	0.00		

AMIDE CHLORIDE 0 **AVENAL** #REF! BENZYL CHLOROFORMATE #REF! BUTRYL CHLORIDE #REF! FC102 #REF! HEGCL #REF! LAB #REF! PHENYL CHLOROFORMATE #REF! PLANT #REF! PNBC #REF! PTSI #REF! TMTC #REF! phosgene 0 miscellaneous #REF! #REF! total

SNPE 1ST QTR Page 1

Rev	

QTY	WASTE DESCRIPTION	HAZ/ NON	PROCESS GEN WASTE	TSDF	DISP METHOD	SHIP	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	TONS PER CATEGORY
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Page 1

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192	Site 3-EQRR MID060975844	Site 4- Bridgeport United CTD002593887	Site 6-Envirtrol PAD987270725	Site 7-ONXY Env ILD098642424
MISC SOLVENT WASTE (Carb/CHDCL)	A-1	0.00	0.00%					
MISC SOLVENT WASTE (CHDI/NDI)	A-2	0.00	0.00%					
MISC SOLVENT WASTE (FC-102)	A-3	0.00	0.00%					
MISC SOLVENT WASTE (HEGCI)	A-4	0.00	0.00%			_		
MISC SOLVENT WASTE (L/Z Val)	A-5	0.00	0.00%					
MISC SOLVENT WASTE (Z Val + cleaning)	A-6	0.00	0.00%		 			
MISC SOLVENT WASTE (Z Val + cleaning)	A-7	0.00	0.00%					
MISC SOLVENT WASTE (PILOT LAB)	A-8	0.00	0.00%					
CLEANING SOLVENTS	cs	0.00	0.00%					
CLEANING SOLVENTS	CS-1	0.00	0.00%					
CLEANING SOLVENTS	CS-2	0.00	0.00%					
OFF SPEC AMIDE CHLORIDE	D-1	0.00	0.00%					
OFF SPEC CHLOROFORMATES	D-2	0.00	0.00%					
LAB PACS	E	0.00	0.00%					
PROCESS RESIDUE- KILLED DMF	F	0.00	0.00%					
WASTEWATER TREATED OFF SITE	1	0.00	0.00%		 			
WASTEWATER TREATED ON SITE	I-W	608.41	100.00%					
SPILLS/CLEANUP/PLANT SAMPLES	J	0.00	0.00%					
CARBON (Busch Pump)	K-1	0.00	0.00%					
CARBON (Effluent)	K-2	0.00	0.00%					
CARBON (Pilot lab)	K-3	0.00	0.00%					
CARBON (HCI)	K-4	0.00	0.00%					
CARBON (L-Val air)	K-5	0.00	0.00%					
CARBON (HEGCI)	K-6	0.00	0.00%					
CARBON (Busch Pump)	K-7	0.00	0.00%					

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192	Site 2-Norlite NYD080469935	Site 3-EQRR MID060975844	Site 4- Bridgeport United CTD002593887		Site 6-Envirtrol PAD987270725	Site 7-ONXY Env ILD098642424
MISC CORROSIVE (NaOH)	MC-1	0.00	0.00%							
MISC CORROSIVE (HCL)	MC-2	0.00	0.00%							
TANK PASSIVATION	0-1	0.00	0.00%				·			
PROCESS CHANGE OVER CLEANING	0-2	0.00	0.00%							
TANK CLEANOUT PT-16	0-3	0.00	0.00%							'
TOTAL		608.41	100.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misc Solvents - total	A-1 - A-8			1		 	<u> </u>	1		
Cleaning Solvents - Total	CS - CS-2						<u> </u>			
Off Spec - Total	D-1 - D-2		<u> </u>							
Lab Pacs	E									
Process Residue	F									
Wastewater - Total	1 & I-W									
SPILLS/CLEANUP/PLANT SAMPLES	J									
Carbon - Total	K-1 - K-7									
Misc Corrosive	MC-1 & MC-2									
TANK PASSIVATION	O-1		<u> </u>			 				
PROCESS CHANGE OVER CLEANING	O-2									
TANK CLEANOUT PT-16	0-3									
		0.00								
Total non-wastewater		0.00								

(AIA OTE	LIATI	EPA	DECCESS			DICE	CUID	DICE	DICE	1147		18881	DEOM:	MEGT	OTATE		7 05550	000*0	00070	ſ
WASTE DESCRIPTION	HAZ/ NON	CODES	PROCESS GEN	TSDF	APPROVAL	DISP METHOD	SHIP DATE	VOL	WT	WT	INCINERATION WT	ww wt	RECYCLE	MFST	STATE MFST	HAULER	DOSPOSAL.	COSTS TRANS	COSTS	ĺ
DZ/ODENIZ OADBOAL	114-	Page Free Free	WASTE	END 45	CODE			gals	lbs	lbs	lbs	lbs	lbs l	NUM	NUM			1 000 10	140.00	
BZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	CHEMNYWW		28-Dec-06		13,500	13,500	0	0	13,500		21018JJK	WEAVER		1,386.18	148.89	
EP/SPENT CARBON	HAZ	D001		ENVIR	TETRNYCP	RECYC	28-Dec-06		6,000	6,000	0	00	6,000		21018JJK	WEAVER				
BZ/SPENT CARBON	HAZ	F002		ENVIR	VDMNYAF		28-Dec-06		180	180	0	0	180		21018JJK	WEAVER	 	1.005.40		
HF/HEP	HAZ	D001		CLEAN	1309244	INCIN	27-Dec-06	0	604	604	604	0	0	_	20719JJK	HAZMAT		1,305.18	213.81	
/ASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	27-Dec-06	0	8.543	8,543	8.543	0			20719JJK	HAZMAT				
CL	HAZ	D003		CLEAN	1393044	INCIN	27-Dec-06		3,483	3,483	3,483	0	0		20719JJK	HAZMAT		1,266.84	289.54	
AUSTIC	HAZ	D002, D005		CLEAN	1453325	TREAT	27-Dec-06	0	514	514	514	0	1 0		20719JJK	HAZMAT		1,234.44	274.85	
RIETHYLAMINE	HAZ	D001, D002		CLEAN	1453323	INCIN	27-Dec-06	0	396	396	396	0	0		20719JJK	HAZMAT	+	1,428.84	261.50	
ISTRI/HEP	HAZ	D001, D002		CLEAN	1481085	INCIN	27-Dec-06		158	158		0	0		20719JJK	HAZMAT	 	1,420.04	201.50	
SHEX BIS CF	HAZ	D003		CLEAN	1530522	INCIN	27-Dec-06	0	1,975	1,975	158 1,975		0		20719JJK		 			
YDROXYLAMINE HYCL	NON	1003		CLEAN		TREAT						0 405			20719JJK	HAZMAT				
		 			1530516		27-Dec-06	0	405	0	0		0			HAZMAT	 		ļ. 	
N DEA	NON	 		CLEAN	1530517	TREAT	27-Dec-06	0	1,080	0	0	1,080	0		20719JJK	HAZMAT			ļ- -	
ETHANESULFONYL CL	NON	 		CLEAN	1530518	TREAT	27-Dec-06	0	1,800	0	0	1,800	0		20719JJK	HAZMAT			ļ——	├
IBUTYLTIN DILAURATE	NON	 		CLEAN	1530519	TREAT	27-Dec-06	0	106	0	0	106	0		20719JJK	HAZMAT	 	ļ	 	
ON REG FC102	NON	<u> </u>		CLEAN	1453335	TREAT	27-Dec-06	0	784	0	0	784	0		20719JJK	HAZMAT			ļ	
ON REG 2HYD ACRY	NON			CLEAN	1530534	TREAT	27-Dec-06	0	360	0	0	360	0		20719JJK	HAZMAT	_		ļ	
ITRIC ACID SOL	HAZ	D002		CLEAN_	1530520	INCIN	27-Dec-06	0	110	110	110	0	0		20719JJK	HAZMAT			<u> </u>	7,810.07
ormol		D001, D021, D022, F002, F003,			07777			_				_					1			
CE/TOL	HAZ	F005 D001, D021, D022, F002, F003,		NORLITE	ST004502	INCIN	20-Dec-06	0	3,122	3,122	3,122	0	0		2632971JJK	UNITED				
CE/TOL	HAZ	F005		NORLITE	STOOAEOO	INCIN	20-Dec-06	0	2,856	2,856	2 956	0	0		2632971JJK	LIMITED				(l
MF	HAZ	D001		NORLITE		INCIN	20-Dec-06	0	850	850	2,856 850	0	0		2632971JJK	UNITED				
IVIT-	naz_	D001		NORLITE	31010202	INCIN	20-Dec-06	0	000	000	650	<u> </u>	0		203297 IJJK	UNITED		<u> </u>		
BZ/SPENT CARBON	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	20-Dec-06	0	11,729	11,729	11,729	0	0		2632971JJK	UNITED				
BZ/SPENT CARBON	HAZ	D001, D021, F002		NORLITE	STOAOOOS	INCIN	20-Dec-06	0	644	644	644	0	1 0 1		2632971JJK	UNITED				1 1
MORPHOLINE	HAZ	D001, D021, F002								279			0							
ON HAZ SOLIDS	NON	D001		NORLITE			20-Dec-06	0	279		279	0	-		2632971JJK	UNITED				
		 		BRIDGEPORT		TREAT	20-Dec-06	0	450	0	0	450	0 1		2632970JJK	UNITED	<u> </u>			
ON HAZ SOLIDS	NON	 		BRIDGEPORT			20-Dec-06	0	5,648	0	0	5,648	0		2632970JJK	UNITED				
TSI RESIDUE	NON			BRIDGEPORT	~~~~~~		20-Dec-06	0	4,440	0	0	4,440	0		2632970JJK	UNITED				
ON REG BRINE/GL	NON			BRIDGEPORT		TREAT	20-Dec-06	0	389	0	0	389	0		NYD175773779	UNITED	_			
ON REG NNDBF	NON			BRIDGEPORT			20-Dec-06	0	883	0	0	883	0		NYD175773779	UNITED				
ON REG DMAC	NON		1	BRIDGEPORT	02716	TREAT	20-Dec-06	D	860	0	0	860	0		NYD175773779	UNITED				
		1 1					l						i				į.			í l
ST MCB	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	15-Dec-06	0	41,700	41,700	41,700	0	0		2632936JJK	BFC				<u> </u>
BZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW		13-Dec-06	0	13,500	13,500	0	0	13,500		21017JJK	ETC LOG				
NREG/USED CARBON	NON			ENVIR			13-Dec-06	0	1,400	0	0	0	1,400		21017JJK	ETC LOG				
NREG/USED CARBON	NON			ENVIR_		RECYC	13-Dec-06	0	2,358	0	0	0	2,358		21017JJK	ETC LOG	<u></u>			
NREG/USED CARBON	NON			ENVIR		RECYC	13-Dec-06	0	1,800	0	0	0	1,800		21017JJK	ETC LOG				1
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ST MCB		D001, D021, F002	į.	NORLITE		INCIN		0	47,350	47,350	47,350	0	0		2632948JJK	BFC	ł			í l
BZ/SPENT CARBON	HAZ	F002, F003, F005	Į.	ENVIR	VANCHEMNYWW	RECYC	5-Dec-06	. 0	9,000	9,000	0	0	9,000		21016JJK	WEAVER				
ETH/TOL		D001, F003, F005			ST011303		27-Nov-06		22,520	22,520	22,520	0	0		2632958JJK	EPS				
PENT CARBON/TOL		F002, F003, F005		ENVIR	VANCHEMNYWW		27-Nov-06		9,000	9,000	0	0	9,000		21015JJK	WEAVER				
		F002, F003, F005,									-		1,722							
ASTE SOLID	HAZ	D021, D022		CLEAN	1378178	INCIN		0	113	113	113	0	0		61761JJK	FREEHOLD				
MINES	HAZ	F005, D002		CLEAN	1309254		3-Nov-06	0	411	411	411	0	0		61761JJK	FREEHOLD				
NIVERSAL LAMPS 4"	NON			BETH			3-Nov-06	0	50	0	. 0	0	50		061103	FREEHOLD				
NIVERSAL LAMPS 8"	NON			BETH		RECYC	3-Nov-06	0	50	0	0	0	50		061103	FREEHOLD				
BZ/SPENT CARBON	HAZ	F002, F003, F005	-	ENVIR	CHEMNYWW	INCIN	1-Nov-06	0	19,500	19,500	19,500	0	0		21014JJK	WEAVER				,
		D001, D021, D022, F002, F003,																		
CE/TOL	HAZ	F005 D001, D021, D022, F002, F003,		NORLITE	ST004502	INCIN	26-Oct-06	0	16,300	16,300	16,300	0	0		20747JJK	UNITED				
CE/TOL	HAZ			אורסטיויים	OT004500	INCIN	26 22 22	_	,,,	774		^] ^ [207471112	LIMITED		l		, 1
		F005		NORLITE	ST004502		26-Oct-06	0	774	774	774	0	0		20747JJK	UNITED				, -
ENZYL ETHER/METH	HAZ	D001, F003	[NORLITE	ST01355N	INCIN	26-Oct-06	0	938	938	938	0	0		20747JJK	UNITED				
		F003, D001, F002,	ľ										[1	1			, 1
DCB/HEP	HAZ	D021, F005		NORLITE	ST021803	INCIN	26-Oct-06	0	1,163	1,163	1,163	0	0		20747JJK	UNITED				
MF	HAZ	D001	1	NORLITE	ST010202	INCIN	26-Oct-06	0	3,641	3,641	3,641	0	0		20747JJK	UNITED				, 7
OH	NON			NORLITE	ST039703		26-Oct-06	0	1,242	0	1,242	0	0		20747JJK	UNITED	 			,
		CBOE															+			,
ASTE SOLID	NON	CR05		BRIDGEPOR	0927DN4	INCIN	26-Oct-06	0	245	0	245	0	0		20745JJK	UNITED				
SI RESIDUE	NON	CR05		BRIDGEPOR	0928DN4	INCIN	26-Oct-06	0	1,709	0	1,709	00	0		20745JJK	UNITED				,
AILROAD TIES	NON	ı	2	ALLIED WST	22430	RECYC	10-Oct-06	0	5	0 l	0	0	l 5 l		1 303707	PRICE TRK	1			, 1
MINES	HAZ	F005, D002		CLEAN	1309254	INCIN	6-Oct-06		816	816					21171JJK	FRANKS				`

	WASTE	LIATI	I EPA I	BBOOLES	 	1	Dien	SHIP	nien	Dien	102.7	T	18767	BEOVOLE I	MEST	CT+TP		00000	20070	00000		
TY	WASTE DESCRIPTION	HAZ/ NON	CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	DOSPOSAL	COSTS	COSTS		
รก	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	6-Oct-06	0	7,779	7,779	7,779	0	0		21171JJK	FRANKS					
	ACL	HAZ	D021, D022		CLEAN	1393044	INCIN	6-Oct-06	0	43	43	43	0	0		21171JJK	FRANKS					+-
	ACL	HAZ	D003		CLEAN	1393044	INCIN	6-Oct-06	0	139	139	139	0	1 0		21171JJK	FRANKS					+-
_	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	5-Oct-06	0	4,500	4,500	0	4,500	0		21013JJK	WEAVER					+-
1	CBZ/SPENT CARBON	HAZ	F002, F005, D001, D002, D021		ENVIR	VANSOLVNYCP	TREAT	5-Oct-06	0	2,500	2,500	0	2,500	0		21013JJK	WEAVER					
\dashv				<u></u>							257,130	202,146		56,843								+
											129	101		28								I
																						1
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	21-Sep-06	0	9,000	9,000	0	0	9,000		21012JJK	ETC LOG					+
2	CBZ/SPENT CARBON	HAZ	F002, F005, D021, D002, D001		ENVIR	VANSOLVNYCP	RECYC	21-Sep-06	0	5,000	5,000	0	0	5,000		21012JJK	ETC LOG					\perp
	CBZ/SPENT CARBON	цая	F002, F005, D021,		ENIVED		DECYC	21 Can 05	_	4 500	4 500		_	4 500		040401114	ETCLOC					
	HEXANE/MCB	HAZ HAZ	D001 D001, F002, D021		ENVIR NORLITE	VANBUSPNYAF ST01566N	RECYC	21-Sep-06 19-Sep-06	0	1,500 40,620	1,500 40,620	0 40,620	0	1,500		21012JJK 59855JJK	BFC	 				+-
	NON REG DRUMS	NON	2001, 1 002, 10021		CLEAN	1453388	INCIN	19-Sep-06	0	3,465	0	3,465	0	1 0	1344	NJD054126164	FREEHOLD					+
$\overline{}$	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW		13-Sep-06	0	13,500	13,500	0	0	13,500		21011JJK	WEAVER					+
1	CBZ/SPENT CARBON	HAZ	F002, F005, D002		ENVIR	VANSOLVNYCP	RECYC	13-Sep-06	0	2,500	2,500	Ö	0	2,500		21011JJK	WEAVER					I
	HEXANE/MCB	HAZ	D001, F002, D021		NORLITE	ST01566N	INCIN	8-Sep-06	0	30,420	30,420	30,420	0	0		59856JJK	BFC					oxdot
	SPENT CARBON/TOL		F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	8-Sep-06	0							21010JJK	WEAVER			,		\perp
	CBZ/SPENT CARBON		F002, F005, D002		ENVIR	VANSOLVNYCP	RECYC	8-Sep-06	0		<u> </u>					21010JJK	WEAVER					+
	NON REG HEXANE/MCB	NON	Dood Food Dood		ENVIR	0704500N	RECYC		0		00.000			 	4040	21010JJK	WEAVER					+-
	SPENT CARBON/TOL		D001, F002, D021 F002, F003, F005		NORLITE ENVIR		RECYC	1-Sep-06	0	38,280	38,280	38,280	0	0 000	1343	NYG4440051	BFC WEAVER	ļl				+
-+	MCB/SPENT CARBON	HAZ	F002, F003, F003		ENVIR	VANCHEMNYWW VANVDMNYAF		25-Aug-06 25-Aug-06	0	9,000 180	9,000	0	0	9,000	1342 1342	PAH298337 PAH298337	WEAVER					+-
╗	MODIO ENTO OTROCK	117-2	D001,F002,F003,F		LIVII	VANVDIMINTAP	INLOTO	20-Aug-00	<u> </u>	100	100			100	1042	1 A11230331	VVLAVLIX	 				+
	FLAMMABLE ACE/TOL	HAZ	005,D021,D022			ST004502	INCIN	22-Aug-06	0	846	846	846	0	0	1339	NYG4439511	UNITED					
_	DMF FLAMMABLE METHANOL	HAZ	D001 F000 F005		NORLITE			22-Aug-06		4,473	4,473	4,473	0	0	1339	NYG4439511	UNITED	 				+
	DMF/HEPTANE	HAZ HAZ	D001, F003, F005 D001		NORLITE NORLITE			22-Aug-06 22-Aug-06	0	4,778 2,441	4,778 2,441	4,778 2,441	0	0	1339 1339	NYG4439511 NYG4439511	UNITED					+
귀	DMI TIEL TANK	11/72	D001,F002,F003,F		NONLITE	31023003	INCIN	22-Aug-00	<u> </u>	2,441	2,441	2,441		1	1000	14104439311	ONTIED	 				+
39	FLAMMABLE ACE/TOL	HAZ	005,D021,D022		NORLITE	ST004502	INCIN	22-Aug-06	0	13,654	13,654	13,654	0	1 0 1	1339	NYG4439511	UNITED					
5	BZOH	NON			NORLITE	ST039703		22-Aug-06	0	2,097	0	2,097	0	0	1341	CTD021816889	UNITED					
_	NON REG PTSI	NON	CRO5		BRIDGEPORT			22-Aug-06	0	4,399	0	4,399	0	0	1340	CTF1194991	UNITED					
$\overline{}$	NON HAZ SOLIDS	NON	CRO6		BRIDGEPO			22-Aug-06	0	123	0	123	0	0	1340	CTF1194991	UNITED					\bot
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	4-Aug-06	0	12,000	12,000	0	0	12,000	1336	PAH298335	WEAVER					
4	HEP/SPENT CARBON	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	4-Aug-06	0	760	760	0	0	760	1336	PAH298335	WEAVER	ļ				
15	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Aug-06	0	3,846	3,846	3,846	0	0	1337	AR1599969	HAZMAT					
			F003, D001, F005, D022, F002, D002,																			
1	FLAMMABLE ACE/NAOH	HAZ	D021 F003, D001, F005,		ENSCO	1434040	INCIN	4-Aug-06	0	197	197	197	0	0	1337	AR1599969	HAZMAT					+-
	ELANGARI E AGEGLAGIA		D022, F002, D002,			4404040]		_			45450000						
_	FLAMMABLE ACE/NAOH CHDI LIQUID	HAZ HAZ	D021 D003		ENSCO ENSCO	1434040 1530435	INCIN	4-Aug-06 4-Aug-06	0	27 66	27 66	27 66	0	0	1337 1337	AR1599969 AR1599969	HAZMAT HAZMAT					+-
_	WASTE CF	HAZ	D003 D002, D003		ENSCO	1481158	INCIN	4-Aug-06 4-Aug-06	0	40	40	40		0	1338	AR1600107	HAZMAT	 	-			+-
_	WASTE CF	HAZ	D002, D003		ENSCO	1481158	INCIN	4-Aug-06 4-Aug-06	0	1,200	1,200	1,200	0	0	1338	AR1600107	HAZMAT	<u> </u>				+
	UNIVERSAL LAMPS 4"	NON	,	_	BETH			26-Jul-06	0	80	0	0		80	1335	R83621	FREEHOLD					†
1	UNIVERSAL LAMPS 8"	NON			BETH			26-Jul-06	0	50	0	0	0	50	1335	R83621	FREEHOLD					
_	MCB/SPENT CARBON	HAZ	F002, F003, F005			VANCHEMNYWW		21-Jul-06	0	9,000	9,000	0	9,000	0	1334	PAH298334	WEAVER					Ļ
-	CBZ/SPENT CARBON	HAZ	D021,D001, F002			VANVDMNYAF	TREAT	21-Jul-06	0	180	180	0	180	0	1334	PAH298334	WEAVER	<u> </u>		I		
-	WASTE LIQUID		F002, F005, D021		NORLITE		INCIN	7-Jul-06	0	43,740	43,740	43,740	0	0	1333		BFC	L		L = LAND		
\rightarrow	WASTE LIQUID	HAZ	F002, F005, D021		NORLITE	ST010603	INCIN	5-Jul-06	0	41,940	41,940	41,940	0	0	1332	NYG4440915	BFC			B = INCIN		<u> </u>
	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	5-Jul-06	0	8,000	8,000	0	8,000	0	1331	PAH183138	WEAVER			T = TREA	ED	
3	SPENT CARBON/TOL	HAZ	F005, D001		ENVIR	VANTOLUNYCP	RECYC	5-Jul-06	0	8,500	8,500	0	8,500	0	1331	PAH183138	WEAVER		I			
1	CUSTOM RECT CARB	NON			ENVIR		RECYC	5-Jul-06	. 0	3,300	0	0	3,300	0	1331	PAH183138	WEAVER		Ī	R = RECY	CLE	
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	27-Jun-06	0	46,820	46,820	46,820	0	0	1330	NYG4441293	BFC			S = STOR		
-	NON REG TEU/H2O	NON	CRO5		NORLITE	ST020003		24-Jun-06	0	301	0	0	301	0	1330	CTD021816889	UNITED		L			
2	NON REG PNBC OFF	NON	CRO5		NORLITE	ST021203	TREAT	24-Jun-06	0	495	0	0	495	0	1330	CTD021816889	UNITED					
			D001, D021, D022, F002, F003,																			
3/	ACE/TOL	HAZ	F005		NORLITE	ST004502	INCIN	22-Jun-06	0	1,213	1,213	1,213	0	0	1329	NYG4441509	UNITED					
	DMF	HAZ	D001			ST010202		22-Jun-06	0	379	379	379	0	0	1329	NYG4441509						

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gais	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	-
			D001, D022, F002,	WASIE					gais	108	IDS	IDS	IDS	105	NUM	NOM		<u> </u>		Ţ
-	ACE/TOL	HAZ	F003, F005		NORLITE	ST004502	INCIN	22-Jun-06	0	5,823	5,823	5,823	0	0	1329	NYG4441509	UNITED			
-	NON REG PTSI	NON	CRO5		BRIDGEPORT	0928DN4	TREAT	22-Jun-06	0	7,701	0	0	7,701	0	1331	CTF1194990	UNITED			
_	SPENT CARBON/TOL	HAZ HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	16-Jun-06	0	2,000	2,000	0	2,000	0	1328	PAH183139 PAH183137	ETC LOG	 		
	SPENT CARBON/TOL CBZ/SPENT CARBON		D001, F005 F002, F003, F005		ENVIR ENVIR	VANTOLUNYCP VANCHEMNYWW	RECYC RECYC	13-Jun-06 5-Jun-06	0	4,500 3,500	4,500 3,500	0	4,500 3,500	0	1327 1326	PAH183136	WEAVER WEAVER	 	1	
	SPENT CARBON/TOL	HAZ			ENVIR	VANCHEMNYWWV	RECYC	5-Jun-06	0	1,000	1,000	1 0	1,000	1 0	1326	PAH183136	WEAVER	 	1	
	BI ENT GARBOINTOE		F002, F003, F005,		LITVIIX	VANTOLONICE	KLOTO	3-3011-00	U	1,000	1,000	 	1,000	 	1020	TAITIOUTOU	VVEAVEIV		1	
26	WASTE SOLID	HAZ	D021, D022		ENSCO	1378178	INCIN	31-May-06	0	7,567	7,567	7,567	0		1325	AR1600269	FREEHOLD		1	
			F003, D001, F005,			10.0110		1		1,007	1,55.	1,007		<u>-</u>	1020	7.1.1.003230	1112211020	 	1	
			D022, F002, D002,				ļ										1			
1	ACE/HCL	HAZ	D021		ENSCO	1419718	INCIN	31-May-06	0	79	79	79	0	0	1325	AR1600269	FREEHOLD	1.		
			F003, D001, F005,]	
			D022, F002, D002,								1							1	1	
	ACE/HCL	HAZ	D021	A.,	ENSCO	1419718	INCIN	31-May-06	0	395	395	395	0	0	1325	AR1600269	FREEHOLD		ļ	
_	HCL		F005, F002, D021		ENSCO	1450506	INCIN	31-May-06	0	492	492	492	0	1 0	1325	AR1600269	FREEHOLD		j	
	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCP	RECYC	25-May-06	0	4,000	4,000	4,000	0	0	1323	PAH183145	ETC LOG		ļ	
	METH/TOL		D001, F003, F005		NORLITE	ST028503	INCIN	19-May-06	0	44,720	44,720	44,720	0	0	1323	NYG4856022	BFC		1	
	METH/TOL		D001, F003, F005		NORLITE	ST028503	INCIN	19-May-06	0	45,020	45,020	45,020	0	0	1324	NYG4856013	BFC	 	-	
	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCP	RECYC	10-May-06	0	4,000	4,000	0	4,000	0	1320	PAH183143	WEAVER	-		
	CBZ/SPENT CARBON CBZ/SPENT CARBON		F002, F003, F005 D001, D021, F002		ENVIR ENVIR	VANCHEMNYWW	RECYC	10-May-06 10-May-06	0	9,000 180	9,000	0	9,000 180	0	1320 1320	PAH183143 PAH183143	WEAVER WEAVER	1	ł	
	CBZ/SPENT CARBON	HAZ.	D021, F002, F003,		ENVIR	VANBUSPNYAF	RECTO	10-141ay-06	V	100	100		100	 ' 	1320	FAN 103 143	VVEAVER		1	
4	WASTE LIQUID	HAZ	F005		NORLITE	ST015103	INCIN	9-May-06	4,454	54,605	54.605	54,605	0	0	1321	NYG4439376	UNITED			
'+	FIRST LINGIN	11/1/2	D021, F002, F003,		HONLITE	01010100	1110111	5 may-00	7,704	U-T ₁ UUU	37,000	J-7,000	<u> </u>	+	1041	111 34403070	3,41120	 	1	
1	WASTE LIQUID	HAZ	F005		NORLITE	ST015103	INCIN	9-May-06	4,000	35,000	35,000	35,000	0	1 0 1	1322	NYG4439358	UNITED			
_	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCP	RECYC	2-May-06	0	2,000	2,000	0	2,000	0	1319	PAH183140	WEAVER		1	
-	CBZ/SPENT CARBON		F002, F003, F005	***************************************	ENVIR	VANCHEMNYWW	RECYC	2-May-06	0	4,000	4,000	1 0	4,000	0	1319	PAH183140	WEAVER		1	
_	SPENT CARBON/TOL		F002, F003, F005		ENVIR	VANCHEMNYWW		25-Apr-06	0	8,000	8,000	0	8000	0	1318	PAH183142	WEAVER		1	
1	HEP/SPENT CARBON	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	25-Apr-06	0	180	180	0	180	0	1318	PAH183142	WEAVER		1	
			D001, D021,														1		1	
			D022, F002, F003,									1		l i					1	
	ACE/TOL	HAZ	F005		NORLITE		INCIN	5-Apr-06	0	773	773	773	0	0	1315	NYG4438476	UNITED]	
	BENZYL ETHER/METH		D001, F003, F005		NORLITE		INCIN	5-Apr-06	0	10,800	10,800	10,800	0	0	1315	NYG4438476	UNITED			
26	DMF	HAZ	D001		NORLITE	ST010202	INCIN	5-Apr-06	0	9,270	9,270	9,270	0	0	1315	NYG4438476	UNITED		1	
			D001, D021,																	
	ACCITOL	(14.7	D022, F002, F003,		NODUTE	57554555	nien.	- 4 22	_					1 . 1	4045	NNO 4400 470	LIMITED		ļ	
	ACE/TOL	HAZ	F005		NORLITE	ST004502	INCIN	5-Apr-06	0	8,020	8,020	8,020	0	0	1315	NYG4438476	UNITED	-	1	
-	AVANEL/WATER BOH	NON NON	CRO5 CRO5		NORLITE NORLITE	ST007202 ST039703	TREAT TREAT	5-Apr-06 5-Apr-06	0	1,792 418	0	0	1,792 418	0 0	1317 1317	CTD021816889 CTD021816889	UNITED	 	1	
	PTSI RESIDUE	NON	CRO5		BRIDGEPORT	0928DN4	TREAT	5-Apr-06	0	3,216	0	0	3,216	0	1316	CTF1194988	UNITED			
	SPENT CARBON/TOL		F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	27-Mar-06	- 6	13,610	13,610	0	0	13,610	1314	PAH183141	WEAVER		ł	
	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYAF	RECYC	27-Mar-06	0	2,061	2,061	0	0	2,061	1314	PAH183141	WEAVER		1	
	CBZ/SPENT CARBON		D001, D021, F002		ENVIR	VANVDMNYAF	RECYC	27-Mar-06	0	231	231	0	0	231	1314	PAH183141	WEAVER			
_	WASTE LIQUID	HAZ	D003, D021		ENSCO	1406339	INCIN	15-Mar-06	0	784	784	784	0	0	1313	AR1599942	TRIAD			
1 1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	14-Mar-06	0	42,400	42,400	42,400	0	0	1312	NYG4856031	BFC		1	
2	PTSI RESIDUE	HAZ	D003, D021		ENSCO	1408339	INCIN	13-Mar-06	0	784	784	784	0	0		AR1599942				
1	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN	N411382J5	TREAT	10-Mar-06	22		0	0		0	11871	TXR000050920	SAFETY CLN		j	
			D001, D021,	-																
- [D022, F002, F003,	[
6 /	ACE/TOL	HAZ	F005		NORLITE	ST004502	INCIN	7-Mar-06	0	2,352	2,352	2,352	00	0	41635	NYG4441635	UNITED	ļl		
			D001, D021,																	
اء	AGEROL		D022, F002, F003,						_				_	_		10001111005				
9/	ACE/TOL	HAZ.	F005		NORLITE	ST004502	INCIN	7-Mar-06	0	2,687	2,687	2,687	0	0	41635	NYG4441635	UNITED		}	
ام	MACTE COLID	1147	F002, F003, F005,		FNGGG	4070470	Mark	7.14 00		F 070	F 070	5 070	•		00005	AD4500005	FREEHOLD			
	WASTE SOLIDACL	HAZ HAZ	D021, D022		ENSCO	1378178	INCIN	7-Mar-06	0	5,273	5,273 2,886	5,273	0	0	99935 99935	AR1599935 AR1599935	FREEHOLD			
17/	10L	HAZ	D003 D001, D002, F002,		ENSCO	1393044	INCIN	7-Mar-06	0	2,886	2,000	2,886	0	0	99933	AR 1599955	FREEHULD	-		
- 1			F003, F005, D021,																	
4	ACE/HCL	HAZ	D022		ENSCO	1419718	INCIN	7-Mar-06	0	382	382	382	0	0	99935	AR1599935	FREEHOLD			
1 1/	CAUSTIC	HAZ	D002, D005	· · · · · · · · · · · · · · · · · · ·	ENSCO	1453325	TREAT	7-Mar-06	0	456	456	0	456	0	99935	AR1599935	FREEHOLD	 		
110	4MPCF	NON	CRO5		ENSCO	1453344	INCIN	7-Mar-06	0	366	0	1 0 1	0	0	99935	AR1599935	FREEHOLD	 		
		NON	CRO5		BRIDGEPORT	0928DN4	INCIN	7-Mar-06	0	6,204	 0	 	0	0	94987	CTF1194987	UNITED			
1 4					BRIDGEPORT	0927DN4	INCIN	7-Mar-06	0	253	0	0	0	Ö	94987	CTF1194987	UNITED			
1 4 11 F	PTSI RESIDUE		I CRO5 I				_			412	0	0	0	0	94987	CTF1194987	UNITED			
1 4 11 I		NON NON	CRO5 CRO5		RIDGEPORT	0926DLHN1	INCIN	7-Mar-06	0							011 1194901	UNITED			
1 4 11 [PTSI RESIDUE WASTE NON REG	NON			RIDGEPORT L EHAN	0926DLHN1	SOLD AS	/-Mar-06		712	<u> </u>	1 - 1			0-1001	C11 1194901	ONTIED			
1 4 11 F 1 \	PTSI RESIDUE WASTE NON REG	NON				0926DLHN1			0	35,000	0	a	0	0	0	0	QUALITY			
1 4 11 1 \ 1 \	PTSI RESIDUE WASTE NON REG WASTE OIL	NON NON		E	LEHAN		SOLD AS PRODUCT SOLD AS	3-Mar-06				1	0	0						
1 4 11 6 1 1 1 1 1 6	PTSI RESIDUE WASTE NON REG WASTE OIL	NON NON NON		E	LEHAN CHEM		SOLD AS PRODUCT SOLD AS					1	0	0						

VanDeMark Chemical Inc. 2006 Waste Log

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MFST	STATE		COSTS	COSTS	COSTS
√ QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	DOC	MFST	HAULER	DOSPOSAL	TRANS	TAX
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	NUM]
1 1	HEP/SPENT CARBON	HAZ	D001	97% VILS	ENVIR	VANTETRNYAF	RECYC	8-Feb-06	0	2,057	2,057	0	0	2,057	1310	PAH183134	WEAVER			
1	HEP/SPENT CARBON	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	8-Feb-06	0	219	219	0	0	219	1310	PAH183134	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VANVDMNYAF	RECYC	8-Feb-06	0	229	229	0	0	229	1311	PAH183135	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	27-Jan-06	0	41,620	41,620	41,620	0	0	1309	NYG4856049	BFC	3,456.09		
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	13-Jan-06	0	40,780	40,780	40,780	0	0	1308	NYG4856058	BFC	5,726.00		
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	11-Jan-06	0	42,860	42,860	42,860	0	0	1307	NYG4856067	BFC	6,032.00		
1	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	RECYC	9-Jan-06	0	2,523	2,523	0	0	2,523	1306	PAH182903	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	6-Jan-06	0	43,300	43,300	43,300	0	0	1305	NYG4856076	BFC	3,784.80		
2	SPENT CARBON/TOL	HAZ	F002 F003, F005	GENERAL	ENVIR	VANCHEMNYWW	RECYC	4 -J an-06	0	8,268	8,268	0	0	8,268	1304	PAH182902	WEAVER			
2	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	RECYC	4-Jan-06	0	4,684	4,684	0	0	4,684	1304	PAH182902	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	TEU/HEGCL	NORLITE	ST028503	INCIN	3-Jan-06	0	37,300	37,300	37,300	0	0	1303	NYG4856085	BFC	3,562.38		

	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	STATE		COSTS	COSTS	COSTS
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	1	VOL	WT	WT	wr	WT	RECOVERY	MFST	HAULER	DOSPOSAL	TRANS	TAX
				WASTE		CODE			gals	lbs	lbs	lbs	lbs	lbs	NUM	ļ			
1	TOL/DEA	HAZ	F005, D001		NORLITE	ST014802	INCIN	11-Jan-07	0	41,435	41,435	41,435	0	0	2632967JJK	BFC			
	TOL/SPENT CARBON	HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	12-Jan-07	0	11,500	11,500	0	0	11,500	21020JJK	WEAVER			
	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	12-Jan-07	0	4,500	4,500	0	0	4,500	21020JJK	WEAVER			
3	CBZ/SPENT CARBON	HAZ	F002, F003, F005	·	ENVIR	VANCHEMNYWW	RECYC	9-Feb-07	0	13,500	13,500	0	0	13,500	21021JJK	WEAVER			<u> </u>
	,		F002, F003, F005,																
21	HAZ WASTE SOLID	HAZ	D021, D022		CLEAN	1378178	INCIN	23-Feb-07	0	5,518	5,518	5,518	0	<u>5,5</u> 18	2632611JJK	FREEHOLD			<u> </u>
	METHYL CF	HAZ	D001, D002, D003		CLEAN	1434070	INCIN	23-Feb-07	0	1,428	1,428	1,428	0	1,428	2632611JJK				
	NON REG PTSI RES	NON	CRO5		BRIDGE	0928DN4	RECYC		0	5,688	0	0	0	5,688	2632591JJK	UNITED			
- 2	WASTE OIL NON REG	NON	CRO5		BRIDGE	0926DLHN	RECYC	23-Feb-07	0	736	0	0	0	736	2632591JJK	UNITED			
J]	F005, D001,				j]		J		j j			j				
22	ACE/TOL	1147	D021, D022,		NODUTE	07004500	1 12/012	20 = 1 0=				0.000	•		2000500146				
	ACETIOL	HAZ	F002, F003		NORLITE	ST004502	INCIN	23-Feb-07	0	9,060	9,060	9,060	0	0	2632590JJK	UNITED			
l			F005, D001, D021, D022,			1		1		1				1					
5	ACE/TOL	HAZ	F002, F003		NOR! ITE	ST004502	INCIN	23-Feb-07	0	2,087	2,087	2.087	0	0	2632590JJK	UNITED			
	DMF	HAZ	D001		NORLITE		INCIN	23-Feb-07 23-Feb-07	0	2,514	2,087	2,007	0	0	2632590JJK	UNITED			
	CHLOROBENZENE		D001, D021, F002		NORLITE		INCIN	23-Feb-07	0	2,211	2,314	2,211	0	1 0	2632590JJK	UNITED			
	CHLOROBENZENE		D001, D021, F002		NORLITE		INCIN	23-Feb-07	 0	9,428	9,428	9,428	0	0	2632590JJK	UNITED			
	CBZ/SPENT CARBON		F002, F003, F005			VANCHEMNYWW		13-Mar-07	0	18,000	18,000	0	0	18,000	21022JJK	ETC LOGISTICS			
	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCP	RECYC	13-Mar-07	0	2,000	2,000	1 0	0	2,000	21022JJK	ETC LOGISTICS			
	TOL/SPENT CARBON		F002, F003, F005			CHEMNYWW		27-Mar-07	0	13,500	13,500	O	0	13,500	21023JJK	ETC LOGISTICS			
			F002, F003, F005,							70,000	10,000	 		15,500					
19	HAZ WASTE SOLID	HAZ	D021, D022		CLEAN	1378178	INCIN	4-Apr-07	0	4,884	4,884	4,884	0	lo	2641337JJK	FREEHOLD			
2	BCF	HAZ	D002, D003		CLEAN	1434004	INCIN	4-Apr-07	0	799	799	799	0	0	2641337JJK				
	AMINES/DEA	HAZ	D002, F005		CLEAN	1309254	INCIN	4-Apr-07	0	1,756	1,756	1,756	0	0	2641337JJK	FREEHOLD			
2	MCB/DEA	HAZ	D001, F002, D021		CLEAN	1309246	INCIN	4-Apr-07	0	686	686	686	0	0	2641337JJK	FREEHOLD			
			F005, D001,																
ł			D021, D022,	İ				1 1				1 1		1			i		1
19	ACE/TOL	HAZ	F002, F003		NORLITE	ST004502	INCIN	4-Apr-07	0	6,420	6,420	6,420	0	0	2641341JJK	UNITED			
			F005, D001,									1							1
			D021, D022,	ĺ			"				[[[. [ſ		1
	ACE/TOL	HAZ	F002, F003			ST004502	INCIN	4-Apr-07	0	1,306	1,306	1,306	0	0	2641341JJK	UNITED			
	DMF	HAZ	D001			ST010202	INCIN	4-Apr-07	0	6,872	6,872	6,872	0	0	2641341JJK	UNITED			
	TOL/DEA	HAZ	F005, D001			ST014802	INCIN	4-Apr-07	0	1,137	1,137	1,137	0	0	2641341JJK	UNITED			
	TOL/DEA	HAZ	F005, D001			ST014802	INCIN	4-Apr-07	0	1,928	1,928	1,928	0	0	2641341JJK	UNITED			
	WASTE CBZ WASTE CBZ		D001, D021, F002			ST040003	INCIN	4-Apr-07	0	4,363	4,363	4,363	00	0	2641341JJK 2641341JJK	UNITED			
	BRINE / GLYCOL	HAZ NON	D001, D021, F002			ST040003 ST034103	INCIN	4-Apr-07	0	1,496	1,496	1,496	0	0	2641341JJK	UNITED UNITED			
	NON REG PTSI RES	NON	CRO5		BRIDGE	0928DN4	INCIN RECYC	4-Apr-07	0	229	0	229 0	0	4,108	2641342JJK	UNITED			
	NON NEO FIOINES	INOIN	UNUS -		LEHAN		SOLD AS	4-Apr-07	0	4,108	0	0		4,100	204 (342331)	UNITED			
1 6	RECLAIMED TOLUENE	NON			CHEM		PRODUCT	5-Apr-07	0	44,740	0	o	0	0	0	0	QUALITY		1
	THE TOLOUTE	11011	D001, D002,		OTILIV		RODOOT	3-Api-07		77,770		<u> </u>		<u>-</u>			QUALITY		
27	TOL/PHCF	HAZ	D003, F005		CLEAN	1481169	INCIN	13-Apr-07	o	11,132	11,132	11,132	0	0	2641344JJK	FREEHOLD			ĺ
	101271701	11/ (2	D001, D002,		OLLAN	1401100	1140114	10-дрі-07	<u>_</u>	11,102	11,102	11,102		<u> </u>	20410110010	TREETICES			
12	TOL/PHCF	HAZ	D003, F005	1	CLEAN	1481169	INCIN	13-Apr-07	0	4,812	4,812	4,812	0	0	2641344JJK	FREEHOLD]		i
			D021, F002, F003,		022,	1101100	nioni.	107101		1,012	1,012	.,							
1 L	LIQUID WASTE	HAZ	F005		NORLITE	ST015103	INCIN	5-May-07	2,598	25,980	25,980	25,980	0		2735150JJK	UNITED	İ		i
	TOL/SPENT CARBON		F002, F003, F005			ANCHEMNYWW		11-May-07	9,000	9,000	9,000	0	0	9,000	2264367JJK		s		
	CBZ/SPENT CARBON		D001, D021, F002			VANVDMNYAF		11-May-07	180	180	180	0	0	180	2264367JJK				
	FOL/SPENT CARBON		F002, F003, F005	,		VANCHEMNYWW		22-May-07	0	4,500	4,500	0	0	4,500	2264368JJK				
	TOL/SPENT CARBON	HAZ.	D001, F005			VANTOLUNYCP		22-May-07	0	2,300	2,300	0	0	2,300	2264368JJK				
	NON REG PTSI RES	NON	CRO5			0928DN4		30-May-07	0	5,363	0	0	0	5,363	2643473JJK	UNITED			
1 V	NASTE OIL NON REG	NON	CRO5			0926DLHN		30-May-07	0	352	0	0	0	352	2643473JJK	UNITED			
T			F005, D001,													. 7			. —
			D021, D022,					İ				1				1			I
0018	ACE/TOL	HAZ	F002, F003		NORLITE	ST004502	INCIN	30-May-07	0	12,007	12,007	12,007	0	0	2643472JJK	UNITED			1

	WASTE	HAZ/	EPA	PROCESS	T		DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	STATE		costs	COSTS	COSTS
QTY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gals	WT	WT lbs	WT lbs	WT Ibs	RECOVERY	MFST NUM	HAULER	DOSPOSAL	TRANS	TAX
			F005, D001,																
			D021, D022,																l
	ACE/TOL	HAZ	F002, F003			ST004502	INCIN	30-May-07	0	5,364	5,364	5,364	0	0	2643472JJK				
	DMF TOL/DEA	HAZ	D001			ST010202	INCIN	30-May-07	0	750	750	750	0	0	2643472JJK				
	CHLOROBENZENE	HAZ HAZ	F005, D001 D001, D021, F002			ST014802 ST040003	INCIN	30-May-07 30-May-07	0	1,980 1,815	1,980 1,815	1,980 1,815	0	0	2643472JJK 2643472JJK				ſ
	BOH NON REG	NON	D001, D021, F002			ST040003	INCIN	30-May-07	0	2,418	0	2,418	0	0	2643472JJK				
	CHLOROBENZENE	HAZ	D001, D021, F002	·		ST040003	INCIN	30-May-07	0	475	475	475		0	2643472JJK	UNITED		-	
	OTTO TO DETALLINE	11/1/	D021, D022,		HORLETTE	01010000	ittoitt	oo way or		170		1			20101120010	ONTED			
18	HAZ WASTE SOLID	HAZ	F002, F003, F005		CLEAN	1378178	INCIN	8-Jun-07	0	5,505	5,505	5,505	0	0	2643474JJK	FREEHOLD			Í
			D001, D002,																
			D021, D022,		ĺ			i i		ľ		1 1						i	ı
2	HCL/ACE	HAZ	F002, F003, F005		CLEAN	1419718	INCIN	8-Jun-07	0	503	503	503	0	0	2643474JJK	FREEHOLD			
ľ			D002, D021,																ı
	CAUSTIC	HAZ	F002, F003, F005		CLEAN	1393023	INCIN	_8-Jun-07	0	1,628	1,628	1,628	0	0	2643474JJK				
	MATERIAL NON REG	NON			CLEAN	PCH43007	INCIN	8-Jun-07	0	8	8	8	0	0	2643474JJK				
10	ACL	HAZ	D003		CLEAN	1383044	INCIN	8-Jun-07	0	1,333	1,333	1,333	0	0	2643474JJK	FREEHOLD			
ار	CALICTIC	1107	D002, D021,		OLEAN	4000000	INIOINI	0.107	•	4.000	4 000	1 000	0		0040474106	EDEELIOLD			ı
	CAUSTIC CBZ/SPENT CARBON	HAZ HAZ	F002, F003, F005		CLEAN ENVIR	1393023 CHEMNYWW	INCIN RECYC	8-Jun-07 20-Jun-07	0	1,066 13,500	1,066 13,500	1,066 0	0 0	13,500	2643474JJK 2264369JJK		~		
	TOL/SPENT CARBON	HAZ	F005, D001		ENVIR	TOLUNYCP		20-Jun-07 20-Jun-07	0	3,200	3,200	0		3,200	2264369JJK				
	TODOF LIVE CARDON	IIAL	F005, D001		LIVVIN	TOLUNTOF	RECIC	20-3011-07	U	3,200	3,200	0		3,200	220430333N	TO LOGISTIC	3		
1	TOL/SPENT CARBON	HAZ	D021, F002		ENVIR	BUSPNYAF	RECYC	20-Jun-07	0	200	200	0	0	200	2264369JJK	TC LOGISTICS	q	J	ı
	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VDMNYAF	RECYC	20-Jun-07	0	200	200	0	0	200	2264369JJK				
	HAZ WASTE SOLID	HAZ	F002, F003, F005			0/725039WTSM	TREAT	20-Jun-07	0	2,500	2,500	0	2,500	0	2768463JJK				
	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	5-Jun-07	0	424	0	0	0	424		SAFETY CLN			
1	HAZ WASTE SOLID	HAZ	F002, F003, F005		MICHIGAN	FO725039WTSMD	TREAT	27-Jun-07	0	30	30	0	0	30	2768462JJK	HAZMAT			
	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	18-Jul-07	0	13,500	13,500	0	0	13,500	2264370JJK		S		
146	EMPTY NON REG	NON	ERUM		EQ DET	F0725039WTSDET	TREAT	26-Jui-07	0	7,738	0	0	7,738	0	2768398JJK	HAZMAT			
			D001, D021,			l													
			D022, F002, F003,									1 1	_				l		
11	ACE/TOL	HAZ	F005		NORLITE	ST004502	INCIN	26-Jul-07	0	4,618	4,618	4,618	0	0	2745119JJK	FREEHOLD			
27	LIOUID MACTE	1147	D021, F002, F003,		NODUTE	OT045400	INICINI	00 14 07	0	40.500	40.500	40.500	0		2745440111	EDEELIOLD			
2/	LIQUID WASTE	HAZ	F005 D001, D021,		NORLITE	\$1015103	INCIN	26-Jul-07	0	13,532	13,532	13,532	00	0	2745119JJK	FREEHOLD			
			D021, D021, D022, F003,																
201	ACE/TOL	HAZ	F005		NORLITE	ST004502	INCIN	· 26-Jul-07	0	5,693	5,693	5,693	0	0	2745119JJK	EREEHOLD			
2017	/ (OL/ TOL	TIPAL	D021, F002, F003,		NONLITE	3100-302	INOIN	20-3ui-01	<u> </u>	0,000	3,000	3,000			21401100010	TREETIGED			
4 1	LIQUID WASTE	HAZ	F005		NORLITE	ST015103	INCIN	26-Jul-07	0	1,728	1,728	1,728	0	0	2745119JJK	FREEHOLD			
	WASTE CBZ		D001, D021, F002		NORLITE		INCIN	26-Jul-07	0	214	214	214	0	0	2745119JJK				
3 \	WASTE CBZ		D001, D021, F002		NORLITE		INCIN	26-Jul-07	0	947	947	947	0	0	2745119JJK	FREEHOLD			
	DMF	HAZ	D001		NORLITE		INCIN	26-Jul-07	0	1,826	1,826	1,826	0	0	2745119JJK				
4 /	AVANEL NON REG	NON			NORLITE	ST007202	INCIN	26-Jul-07	0	1,596	0	1,596	0	0	2745119JJK	FREEHOLD			
																•		İ	
			F005, F003, D001,	:															
1 8	SODIUM HYDROX/TOL	HAZ_	D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	461	461	461	0	0	2745124JJK	FREEHOLD			
			F005 F000 F004			į									į			ļ	
4		LIAT	F005, F003, D001,		DDIDOL	150000001100	INICIN	20 1 07		200	300	220		_	27/5/2/ 11/	EDEEROLD			
	SODIUM HYDROX/TOL NON REG PTSI RES	HAZ NON	D002, D021, F002 CR05			1598FD2HFB 0927DN4		20-Jul-07	0	338 526	338	338	0	0 526	2745124JJK 2745124JJK				
	NON REG PTSI RES	NON	CR05			0927DN4 0927DN4	RECYC RECYC	20-Jul-07 20-Jul-07	0	526 855	0	0	<u> </u>	855	2745124JJK				
	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4 0928DN4	RECYC	20-Jul-07 20-Jul-07	0	2,294	0	0	0		2745124JJK				
7	TOTALLOT TOTALLO	, ITOIN	D021, D022,		DIVIDGE	USZUDIN 4	NLOTO	20-541-07		4,43 4	U U			L,204	27-1012-TOOK	· ALLIOLD			
14 +	HAZ WASTE SOLID	HAZ	F002, F003, F005		CLEAN	1378178	INCIN	10-Aug-07	0	5,174	5,174	5,174	0	0	2643479JJK	FREEHOLD	Ì		
	SODIUM HYDROX/TOL	HAZ	D002, D005		CLEAN	1453325	INCIN	10-Aug-07	0	458	458	458	0	0	2643479JJK				
			D002, D021,				.,												
1 8	SODIUM HYDROX/TOL	HAZ	F002, F003, F005		CLEAN	1393023	INCIN	10-Aug-07	o	429	429	429	0	0	2643479JJK	FREEHOLD			
	3CF	HAZ	D002, D003		CLEAN	1434004		10-Aug-07	- 0	406	406	406	0		2643479JJK				

Ī	WASTE	HAZI	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	STATE		COSTS	COSTS	COSTS
QTY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gals	WT Ibs	WT	WT Ibs	WT lbs	RECOVERY Ibs	MFST NUM	HAULER	DOSPOSAL	TRANS	TAX
1	SODIUM HYDROX/TOL	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	10-Aug-07	0	310	310	310	0	0	2643479JJK	FREEHOLD			
		· · · · · · · · · · · · · · · · · · ·	D001, D002,							 				<u> </u>					-
	TOL/PHCF	HAZ	D003, F005		CLEAN	1481169	INCIN	10-Aug-07	0	96	96	96	0	0	2643479JJK				
	PNBC NON REG	NON			CLEAN	709744	TREAT	10-Aug-07	0	346	0	0	346	0	2643479JJK				
	MERCUROUS NITRATE	HAZ	D009 U170			CC11358SP		10-Aug-07	0	2	0	0	0	0	2643479JJK 2643479JJK				
	NITROPHENOLS ANLINE	HAZ HAZ	U012		CLEAN	CC11358SP	INCIN	10-Aug-07 10-Aug-07	0	 	1 1	1 1	0	0	2643479JJK				
	SILVER NITRATE	HAZ	D001, D011		CLEAN		INCIN	10-Aug-07	0	1	1 1	1 1	0	0	2643479JJK				
			D001, D002,																
	ACETYL CHLORIDE	HAZ	D003, U006		CLEAN		INCIN	10-Aug-07	0	11	1	1 1	0	0_	2643479JJK				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	WASTE CFMATES	HAZ	D002			CC11358SP	INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK				
	SULFUROUS ACID	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK				
	SOCYANATES TOXICS	HAZ	D003			CC11358SP	INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK 2643479JJK				
	LIQUID WASTE DICHLOROBENZENE	HAZ HAZ	D001 U070			CC11358SP CC11358SP	INCIN	10-Aug-07	0	3 2	3 2	3 2	0	0	2643479JJK 2643479JJK				
	LIQUID WASTE	HAZ	D024, P024			CC11358SP	INCIN	10-Aug-07 10-Aug-07	0	3	3	3	0	0	2643479JJK				
	LIQUID WASTE	IIAZ	D024, 1 024		OLLAN	001133031	IIIOIII	10-Aug-01		1 3	1-3-	J 3	<u> </u>		20404700010	TIVELITOED			
1 0	CORROSIVE LIQUIDS	HAZ	D001, D002, U123		CLEAN	CC11358SP	INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD	1		
1	MORPHOLINE	HAZ	D001, D002		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
i			D001, D002,																
1	AMINES/DEA	HAZ	U404, U092		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
. ا ـ	2000		Dank Dana Dana		01 - 111		IN COLL		•		_	_	•		00404701116	EDEELIOLD			
	SODIUM METHYLATE	HAZ HAZ	D001, D002, D003		CLEAN		INCIN	10-Aug-07	0	2	2	7 2	0	0	2643479JJK 2643479JJK				
	DIMETHYLDICHLORO	HAZ	D003, F005		CLEAN		INCIN	10-Aug-07			2		<u> </u>	0	2043479JJN	FREEHOLD			
1	FLAMMABLE LIQUID	HAZ	D001, D028, U077		CLEAN		INCIN	10-Aug-07	0	53	53	53	0	0	2643479JJK	FREEHOLD			
	NHALATION LIQUID	HAZ	D022		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK				
	NHALATION LIQUID	HAZ	D022		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK				
	METHYL CF	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK				
	COR INORGANIC	NON			CLEAN	CC11358SP	TREAT	10-Aug-07	0	11	0	0	1	0		FREEHOLD			
	NR RAILROAD TIES	NON				LO7Y611641	RECYC	16-Aug-07	0	2,500	0	0	0	2,500	26087	HAZMAT			
2 (CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	ANCHEMNYW	RECYC	16-Aug-07	0	9,000	9,000	0	0	9,000	2264371JJK	WEAVER			
			D001, D002,							4 000			•	4 000	0004074 1116	14/54) /55			
	CBZ/SPENT CARBON	HAZ	D021, F002, F005			/ANSOLVNYCF		16-Aug-07	0	1,800	1,800	0	0	1,800	2264371JJK 2264371JJK	WEAVER WEAVER			
	OL/SPENT CARBON ACTIVATED CARBON	NON	D001, F005, F002			/ANBUSPNYAF 01FP0207		16-Aug-07	0	360 1,800	360 0	0 .	0	360 1,800	2264371JJK				
	PETROLEUM NAPTHA	NON	CRO5		AFETY CLN		TREAT	21-Aug-07	0	1,000	0		0	1,000	34672650				
	OL/SPENT CARBON	HAZ	F002, F003, F005			/ANCHEMNYWV		14-Sep-07	0	9,000	9,000	0	0	9,000	2264372JJK		cs		
	02/01/2111/0/14/2011		D001, D002,			, atomic to the	1.20.0	11 000 01			0,000	1		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					_
1 0	CBZ/SPENT CARBON	HAZ	D021, F002, F005		ENVIR	VANSOLVNYCP	RECYC	14-Sep-07	0	3,000	3,000	0	0	3,000	2264372JJK	ETC LOGISTI	cs		
			F005, F003, D001,																
	YDROCH/METHANOL	HAZ	D002, F002, D021			2256ESTD2L		26-Sep-07	0	118	118	118	0	0	2763332JJK	UNITED			
	ION REG PTSI RES	NON	CR05			0928DN4		26-Sep-07	0	3,916	0	0	0	3,916	2763332JJK	UNITED			
<u> 1 r</u>	ION REG PTSI RES	NON	CR05 D001, D021,		BRIDGE	0927DN4	RECYC	26-Sep-07	0	590	0	0	0	590	2763332JJK	UNITED			
i			D022, F002, F003,]								! !		ļ			
26	ACE/TOL	HAZ	F005		NORLITE	ST004502	INCIN	26-Sep-07	0	9,076	9,076	9,076	0	0	2763331JJK	UNITED		,	
 '			D001, D021,			3.00.002				-,5,0	5,510	-,-,-		<u> </u>					
			D022, F002, F003,		ĺ														
	CE/TOL	HAZ	F005			ST004502		26-Sep-07	0	14,063	14,063	14,063	0		2763331JJK	UNITED			
	ARBAESTER NR	NON	WTS26404	Ĭ.	ORLITE	ST01197N		26-Sep-07	0	1,515	0	0	0		2763331JJK				
	IEP/SPENT CARBON	HAZ	F002, F003, F005			NCHEMNYW		27-Sep-07	0	9,000	0	0	0		2264373JJK				
	IEP/SPENT CARBON	HAZ	D001			ANTETRNYC		27-Sep-07	0	2,500	0	0	0		2264373JJK 2264373JJK				
							DECYC	27 0 07	^	2000	1	. ^ !	0	1 2000	226727211/	1A/E A1/E D			
	ACTIVATED CARBON	NON	D021, D022,		ENVIR		RECTO	27-Sep-07	0	2,000	0	0	0	2,000	2204373JJK	WEAVER			

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gais	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT	WW WT Ibs	RECYCLE RECOVERY Ibs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
			D001, D002,						J								<u> </u>		
	TOL/PHCF	HAZ	D003, F005		CLEAN	1481169	INCIN	4-Oct-07	0	6,172	6,172	6,172	0	0	2763330JJK				
	PHCF RESIDUAL	HAZ			CLEAN	1453388		4-Oct-07	0	336	0	0	0	336	2763330JJK				
	PHCF RESIDUAL	HAZ	D004 F000 D004		CLEAN	1453388	11011	4-Oct-07	0	477	0	0	0	477	2763330JJK				·
	MCB/DEA STILLBOTTOM PHCF	HAZ NON	D001, F002, D021		CLEAN CLEAN	1309246 1378189	INCIN	4-Oct-07 4-Oct-07	0	458 3,664	458 3,664	458 3,664	0	0	2763330JJK 2763330JJK				
	STILLDOTTOWIFTION	INOIN			CLEAN	1370109		4-001-07	<u> </u>	3,004	3,004	3,004		0	2103330JJK	PREENOLD			
1	SODIUM METHYLATE	HAZ	D001, D002, D003		CLEAN	LRCTD	INCIN	4-Oct-07	0	1	1	1 1	0	0	2763330JJK	FREEHOLD			
	AMMONIA SOL	HAZ	D002		CLEAN	LCCRB	INCIN	4-Oct-07	0	11	11	11	0	0	2763330JJK				
ľ			D001, D002,										· · · · · · · · · · · · · · · · · · ·						
1	ISOCYANATES TOXICS	HAZ	D003, D021		CLEAN	LRTCB	INCIN	4-Oct-07	0	14	14	14	0	0	2763330JJK	FREEHOLD			
1:	FLAMMABLE LIQUID	HAZ	D001, D002, D003		CLEAN	LRCTD	INCIN	4-Oct-07	0	9	9	9	0	0	2763330JJK	FREEHOLD			
											_		·						
1	ORGANOMETALIC	HAZ	D001, D002, D003		CLEAN	LRCTD	INCIN	4-Oct-07	0	8	8	8	0	0	2763330JJK	FREEHOLD			
			D001, D002,																
	AMINES	HAZ	U404, U092		CLEAN	LCCRB	INCIN	4-Oct-07	0	12	12	12	0	0	2763330JJK				
	CORROSIVE LIQUIDS	HAZ	D002		CLEAN	LCCRA	INCIN	4-Oct-07	0	30	30	30	0	0	2763330JJK				
	CORROSIVE LIQUIDS	HAZ			CLEAN	LCCRA	DEOVO	4-Oct-07	0	7	0	0	0	7	2763330JJK				
	MIXED BATTERIES TOL/SPENT CARBON	NON HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC RECYC	2-Nov-07 5-Nov-07	0	175 22,500	0 22,500	0 0	<u> </u>	175 22,500	75950 2264374JJK	FREEHOLD WEAVER		-	
	BRINE SOLUTION	NON	1 002,1 003,1 003		CWM	NY296136	INCIN	8-Nov-07	4,748	22,500	22,500	0	0	0	110807	HAZMAT			
	DIGINE GOLOTION	NON	D001, D002,		CVVIVI	111230130	IIVOIIV	0-1404-07	7,770			 			110007	TIALIVIA			
1	CBZ/SPENT CARBON	HAZ	D021, F002, F005		SIEMANS	VANSOLVNYCE	RECYC	14-Nov-07	1,800	1,800	1,800		0	1.800	2264375JJK	WEAVER			
	CBZ/SPENT CARBON	HAZ	D001, D021, F002			VANVDMNYAF		14-Nov-07	180	180	180	0	0	180	2264375JJK	WEAVER			
	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	16-Nov-07	0	424	0	0	0	424		SAFETY CLN			
1	CBZ/SPENT CARBON	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	REJECTED	28-Nov-07	0			0	0		2264376JJK	WEAVER			
13	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005 D001, D021,		NORLITE	ST004502	INCIN	27-Nov-07	0	5,514	5,514	5,514	0	0	3712394JJK	UNITED			
20	ACE/TOL	HAZ	D022, F002, F003, F005		NORLITE	ST004502	INCIN	27-Nov-07	0	7,681	7,681	7,681	0	0	3712394JJK	UNITED			
	WASTE CBZ		D001, D021, F002		NORLITE	ST040003		27-Nov-07	0	6,548	6,548	6,548	0		3712394JJK	UNITED			
	DMF	HAZ	D001, D021, 1 002		NORLITE	ST010202		27-Nov-07	0	3,434	3,434	3,434	0	0	3712394JJK	UNITED			
	TOL/METHANOL	HAZ	D001, F003, F005		NORLITE	ST011303		27-Nov-07	0	3,186	3,186	3,186	0	0	3712394JJK	UNITED			
			F005, F003, D001,									-					•		
1/1	METHANOL/HCL	HAZ	D002, F002, D021		BRIDGE	2258ESTD2L	INCIN	27-Nov-07	0	285	285	285	0	l o l	3712393JJK	UNITED			
	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4		27-Nov-07	0	5,539	0	5,539	0		3712393JJK	UNITED			
1 5	SOLIDS NON HAZ	NON	CR05		BRIDGE	0927DN4		27-Nov-07	0	95	0	95	0	0	3712393JJK	UNITED			
T			D021, D022,																
	HAZ WASTE SOLID	HAZ	F002, F003, F005		CLEAN	1373178	INCIN	13-Dec-07	0	5,386	5,386	5,386	0		3712395JJK				
	TOL/SPENT CARBON		F002, F003, F005			VANCHEMNYWW		19-Dec-07	0	13,500	13,500	0	0		2264377JJK				
1 -	HEP/SPENT CARBON	HAZ	D001 D001, D021,		SIEMANS	VANTETRNYCP	RECYC	19-Dec-07	0	3,500	3,500	0	0	3,500	2264377JJK	WEAVER			
17	ACE/TOL	HAZ	D022, F002, F003, F005		NORLITE	ST004502	INCIN	20-Dec-07	0	7,417	7,417	7,417	0	o	3712412JJK	UNITED			
			D001, D021, D022, F002, F003,						-		.,,								
24	ACE/TOL	HAZ	F005	Ī	NORLITE	ST004502	INCIN	20-Dec-07	0	8,693	8,693	8,693	0	0	3712412JJK	UNITED			
	CHLOROBENZENE		D001, D021, F002			ST040003		20-Dec-07	Ö	1,316	1,316	1,316	0		3712412JJK	UNITED			
3 [OMF	HAZ	D001			ST010202		20-Dec-07	0	950	950	950	0		3712412JJK	UNITED			
28 7	ГВИ	NON				ST01427N		20-Dec-07	0	11,723	0	11,723	0	0	3712412JJK	UNITED			
			F005, F003, D001,																
	METHANOL/HCL		D002, F002, D021		BRIDGE	2258ESTD2L		20-Dec-07	0	916	916	916	0		3712413JJK	UNITED			
8 1	NON REG PTSI RES	NON			BRIDGE	0928DN4		20-Dec-07	0	4,586	0	4,586	0	0	3712413JJK	UNITED			

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gais	DISP WT lbs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	CO:
			D001, D002, F002, F003, F005,																
4 S	ODIUM HYDROX/TOL	HAZ	D021		BRIDGE	1598FD2HFB	INCIN	20-Dec-07	0	1,996	1,996	1,996	0	0	3712413JJK	UNITED		L	
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			waste in tons	annualized	500 ton limit	YTD						1						_	
	nuary		29	344.61	500	29													
	bruary		23 17	309.54	500	52						<u> </u>							
map	arch		24	273.36 276.41	500 500	68 92						 							
ma	ay		32	298.35	500	124													
jur	ne		15	278.30	500	139													
jul	y gust		21 9	275.27 254.48	500 500	161 170						 							
se	ptember		18	249.71	500	187						 							1
ОС	tober		6	232.02	500	193													
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	cember aste goal 2007		193		500	193		i	1	j		1		1 1					<u> </u>

2007 Waste disposal year to date

DOSPOSAL	HAULER	STATE MFST	RECYCLE	WW WT	INCINERATION WT	HAZ WT	DISP WT	DISP VOL	SHIP DATE	DISP METHOD	1 1	TSDF	PROCESS GEN	EPA CODES	HAZ/ NON	WASTE DESCRIPTION	QTY
		NUM	lbs	ibs	Ibs	Ibs	Ibs	gals			CODE		WASTE		600		
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WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	MEST	STATE		TONS PE
DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	SHIP DATE	DISP VOL gais	DISP WT lbs	HAZ WT ibs	WT	WT	RECOVERY	MFST DOC NUM	STATE MFST NUM	HAULER	CATEGOR
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	TONS	DOLLARS
total tons generated		
tons not subjet to assessr	nent	
ton subject to assessmen	t	
tons incinerated		\$0.00
tons wwt		\$0.00
total assessment due		\$0.00

2005 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax.

Rev:			•															
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAI CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	incineration WT lbs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	MFST	HAULER	TONS PER CATEGORY
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YTC	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL. gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT Ibs	WW WT lbs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGOR
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	TONS	DOLLARS
total tons generated	0.00	
tons not subjet to assessment	0.0	
ton subject to assessment	0,00	
tons incinerated	0.0	\$0.00
tons wwt	0.0	\$0.00
total assessment due		\$0.00

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TOTALS									0.00	0.00	0.00	0.00	0.00		

2005 HAZARD. WASTE REPORT WORKSHEET - 2nd quarter waste tax.

QTY	WASTE DESCRIPTION	HAZ/ NON	CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT lbs	INCINERATION WT Ibs	WW WT Ibs	RECYCLE RECOVERY Ibs	MFST DOC NUM	STATE MFST NUM	HAULE
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2005 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

	WASTE	HAZ/	EPA	PROCESS	T	T	DISP	SHIP	DISP	DISP	HAZ	NCINERATIO	ww	RECYCLE	MFST	STATE		TONS PER
þΤ	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	ECOVER	DOC	MFST	HAULER	CATEGOR
ן יין	BEGGINI HON	11011	GODEG	WASTE	1001	CODE	METHOD	DAIL	gals	lbs	lbs	lbs	ibs	Ibs	NUM	NUM	INGLER	OATEOOR
1 3	CBZ/SPENT CARBON	HA7	F002, F003, F005	WASIE	ENVIR	VANCHEMNYWW	RECYC	18-Jul-07	0	13,500	13,500	0	0	13,500	2264370JJK	ETC LOGISTICS		
	EMPTY NON REG	NON	ERUM		EQ DET	F0725039WTSDET	TREAT	26-Jul-07	0	7,738	0	0	0	0	2768398JJK	HAZMAT		
777	EINI TT NOTTKEO	11011	LIXOW		LQDLI	FU125039VV15DE1	INLA	20-301-07	0	7,750		 		 	Z/000903310	1 (VZIVIVI		
			D001, D021, D022,															
111	ACE/TOL	HAZ			NORLITE	ST004502	INCIN	26-Jul-07	0	4,618	4,618	4,618	0		2745119JJK	FREEHOLD		
+++	7.1027102	1 1/ 1/2	D021, F002, F003,		HOREITE	01004002	ITOIT	20-041-07		4,010	4,010	7,010		+ -	27-1011100010	TREETICES		1
27	LIQUID WASTE	HAZ	F005		NORLITE	ST015103	INCIN	26-Jul-07	0	13,532	13,532	13,532	0	0	2745119JJK	FREEHOLD		
 		T		- Constant	NONETTE	01010100		20 04. 07	+	10,002	10,002	10,002				11(22,102)		†
			D001, D021, D022,											1				
20	ACE/TOL		F002, F003, F005		NORLITE	ST004502	INCIN	26-Jul-07	0	5,693	5,693	5,693	0	0	2745119JJK	FREEHOLD		.
\Box			D021, F002, F003,		<u> </u>				1					1				
4	LIQUID WASTE	HAZ			NORLITE	ST015103	INCIN	26-Jul-07	0	1,728	1,728	1,728	0	0	2745119JJK	FREEHOLD		
1	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	26-Jul-07	0	214	214	214	0	0	2745119JJK	FREEHOLD		
3	WASTE CBZ		D001, D021, F002		NORLITE	ST040003	INCIN	26-Jul-07	0	947	947	947	0	0	2745119JJK	FREEHOLD		
5	DMF .	HAZ	D001		NORLITE	ST010202	INCIN	26-Jul-07	0	1,826	1,826	1,826	0	0	2745119JJK	FREEHOLD		
4	AVANEL NON REG	NON			NORLITE	ST007202	INCIN	26-Jul-07	0	1,596	0	0	0	0	2745119JJK	FREEHOLD		
			F005, F003, D001,															
1	SODIUM HYDROX/TOL	HAZ	D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	461	461	461	0	0	2745124JJK	FREEHOLD		
			F005, F003, D001,															Ĭ
	SODIUM HYDROX/TOL		D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	338	338	338	0	0	2745124JJK	FREEHOLD		
-	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	20-Jul-07	0	526	0	0	0	0	2745124JJK	FREEHOLD		
	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	20-Jul-07	0	855	0	0	0	0	2745124JJK	FREEHOLD		
4 1	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	RECYC	20-Jul-07	0	2,294	0	0	0	0	2745124JJK	FREEHOLD		
			D021, D022, F002,															
	HAZ WASTE SOLID	HAZ	F003, F005		CLEAN	1378178	INCIN	10-Aug-07		5,174	5,174	5,174	0	0	2643479JJK	FREEHOLD		
113	SODIUM HYDROX/TOL	HAZ	D002, D005		CLEAN	1453325	INCIN	10-Aug-07	0	458	458	458	00	0	2643479JJK	FREEHOLD		
۱. ا.			D002, D021, F002,						_				_					ľ
	SODIUM HYDROX/TOL	HAZ	F003, F005		CLEAN	1393023	INCIN	10-Aug-07		429	429	429	0	0	2643479JJK	FREEHOLD		
1 6	BCF	HAZ	D002, D003		CLEAN	1434004	INCIN	10-Aug-07	0	406	406	406	0	0	2643479JJK	FREEHOLD		
. ا	CODILINA LIVEROVITOL		D002, D021, F002,		0.544	400000		40 4 07		242	0.4.0		•		00404701116	FREEHOLD		
113	SODIUM HYDROX/TOL	HAZ	F003, F005		CLEAN	1393023	INCIN	10-Aug-07	0	310	310	310	0	0	2643479JJK	FREEHOLD		
4 7	FOL /BLICE		D001, D002, D003,		OLEAN	4.404.400	INIOINI	40 4 07		00	00	00	0		2042470111/	FREEHOLD		
	FOL/PHCF PNBC NON REG .	HAZ NON	F005		CLEAN	1481169	INCIN	10-Aug-07	0	96	96	96	<u> </u>	0	2643479JJK 2643479JJK	FREEHOLD FREEHOLD		
	MERCUROUS NITRATE	HAZ	D009		CLEAN	709744.	TREAT	10-Aug-07 10-Aug-07		346	<u> </u>	0	0	2	2643479JJK 2643479JJK			-
	NITROPHENOLS	HAZ	U170		CLEAN CLEAN	CC11358SP				2	<u>U</u>	1 1	0	0	2643479JJK	FREEHOLD		
	ANLINE	HAZ	U012		CLEAN	CC11358SP	INCIN	10-Aug-07 10-Aug-07		1		1 1	0	1 0	2643479JJK	FREEHOLD		
$\overline{}$	SILVER NITRATE	HAZ	D001, D011		CLEAN		INCIN	10-Aug-07			1	1	0	0	2643479JJK	FREEHOLD		-
 	NEVER INTO CIE		D001, D002, D003,		CLLAIN		INCIN	10-Aug-01		<u>'</u>				+	204047 00010	TREETIGED		
1/4	ACETYL CHLORIDE	HAZ	U006	İ	CLEAN		INCIN	10-Aug-07	0	1	1	1	0		2643479JJK	FREEHOLD		
	VASTE CFMATES	HAZ	D002		CLEAN	CC11358SP	INCIN	10-Aug-07		1	1	1	0	0	2643479JJK	FREEHOLD		
	SULFUROUS ACID	HAZ	D002		CLEAN	301100001	INCIN	10-Aug-07		3	3	3	0	 0	2643479JJK	FREEHOLD		†
	SOCYANATES TOXICS	HAZ	D002		CLEAN	CC11358SP	INCIN	10-Aug-07		6	6	6	0	0	2643479JJK	FREEHOLD		
	IQUID WASTE	HAZ	D001		CLEAN	CC11358SP	INCIN	10-Aug-07		3	3	3	0	1 0	2643479JJK	FREEHOLD		—
	DICHLOROBENZENE	HAZ	U070		CLEAN	CC11358SP		10-Aug-07		2	2	2	0	1 0	2643479JJK	FREEHOLD		
	IQUID WASTE	HAZ	D024, P024		CLEAN	CC11358SP		10-Aug-07		3	-3	3	0	0	2643479JJK	FREEHOLD		
	ORROSIVE LIQUIDS		D001, D002, U123		CLEAN	CC11358SP	INCIN	10-Aug-07		6	6	6	0	0	2643479JJK	FREEHOLD		
	/IORPHOLINE	HAZ	D001, D002		CLEAN			10-Aug-07		6	6	6	0	0	2643479JJK	FREEHOLD		
			D001, D002, U404,															
1 A	MINES/DEA	HAZ	U092	ļ	CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD		
1 8	ODIUM METHYLATE	HAZ	D001, D002, D003		CLEAN			10-Aug-07	0	7	7	7	0	0	2643479JJK	FREEHOLD		
1 C	IMETHYLDICHLORO	HAZ	D003, F005		CLEAN			10-Aug-07		2	2	2	0	0	2643479JJK	FREEHOLD		
1 F	LAMMABLE LIQUID		D001, D028, U077		CLEAN			10-Aug-07		53	53	53	0	0	2643479JJK	FREEHOLD		
1 11	NHALATION LIQUID	HAZ	D022		CLEAN			10-Aug-07		5	5	5	0	0	2643479JJK	FREEHOLD		
1 II	NHALATION LIQUID	HAZ	D022		CLEAN	· · · · · · · · · · · · · · · · · · ·		10-Aug-07		6	6	6	0	0	2643479JJK	FREEHOLD		

1 METHYL CF	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK	FREEHOLD	 <u> </u>
1 COR INORGANIC	NON			CLEAN	CC11358SP	TREAT	10-Aug-07	0	1	0	0	0	0	2643479JJK	FREEHOLD	
1 NR RAILROAD TIES	NON			NREC	LO7Y611641	RECYC	16-Aug-07	0	2,500	0	0	0	0	26087	HAZMAT	
2 CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	16-Aug-07	0	9,000	9,000	0	0	9,000	2264371JJK	WEAVER	_
		D001, D002, D021,														
1 CBZ/SPENT CARBON	HAZ	F002, F005		ENVIR	VANSOLVNYCP	RECYC	16-Aug-07	0	1,800	1,800	0	0	1,800	2264371JJK	WEAVER	
2 TOL/SPENT CARBON	HAZ	D001, F005, F002		ENVIR	VANBUSPNYAF	RECYC	16-Aug-07	0	360	360	0	0	360	2264371JJK	WEAVER	
1 ACTIVATED CARBON	NON			ENVIR	01FP0207	RECYC	16-Aug-07	0	1,800	0	0	0	0	2264371JJK	WEAVER	
1 PETROLEUM NAPTHA	NON	CRO5	-	SAFETY CLN		TREAT	21-Aug-07	0		0	0	0		34672650	SAFETY CLN	
2 TOL/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	14-Sep-07	0	9,000	9,000	0	0	9,000	2264372JJK	ETC LOGISTICS	
		D001, D002, D021,		 .										•		
1 CBZ/SPENT CARBON	HAZ	F002, F005		ENVIR	VANSOLVNYCP	RECYC	14-Sep-07	0	3,000	3,000	0	0	3,000	2264372JJK	ETC LOGISTICS	
		F005, F003, D001,														
1 HYDROCH/METHANOL	HAZ	D002, F002, D021		BRIDGE	2256ESTD2L	INCIN	26-Sep-07	0	118	118	118	0	0	2763332JJK	UNITED	
7 NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	RECYC	26-Sep-07	0	3,916	0	0	0	0	2763332JJK	UNITED	
1 NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	26-Sep-07	0	590	0	0	0	0	2763332JJK	UNITED	
1 1		D001, D021, D022,														
26 ACE/TOL	HAZ	F002, F003, F005		NORLITE	ST004502	INCIN	26-Sep-07	0	9,076	9,076	9,076	0	0	2763331JJK	UNITED	
	l	D001, D021, D022,							l							
39 ACE/TOL	HAZ	F002, F003, F005		NORLITE	ST004502	INCIN	26-Sep-07	0	14,063	14,063	14,063	0	0	2763331JJK	UNITED	
4 CARBAESTER NR	NON	WTS26404		NORLITE	ST01197N	RECYC	26-Sep-07	0	1,515	0	0	0	0	2763331JJK	UNITED	
2 HEP/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	27-Sep-07	0	9,000	9,000	0	0	9,000	2264373JJK	WEAVER	
1 HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCP	RECYC	27-Sep-07	0	2,500	2,500	0	0	2,500	2264373JJK	WEAVER	
1 ACTIVATED CARBON	NON			ENVIR			27-Sep-07	0	2,000	2,000	0	0	2,000	2264373JJK	WEAVER	

109,765 59,605

0 50,162

54.8825 29.8025

0 25.081

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	wwt	RECYCLE / REC	DOC	WASTE SUM
											•				0
				-						0.00	0.00	0.00	0.00		

AMIDE CHLORIDE 0 **AVENAL** #REF! BENZYL CHLOROFORMATE #REF! BUTRYL CHLORIDE #REF! FC102 #REF! HEGCL #REF! #REF! LAB #REF! PHENYL CHLOROFORMATE PLANT #REF! **PNBC** #REF! PTSI #REF! TMTC #REF! phosgene . 0 miscellaneous #REF! #REF! total

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Rev

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İ	WASTE	HAZ/	PROCESS		DISP	SHIP	DISP	DISP	HAZ			RECYCLE		TONS PER
QTY	DESCRIPTION	NON	GEN	TSDF	METHOD	DATE	VOL	WT.	WT	WT	WT	RECOVERY	DOC	CATEGOR
			WASTE	1			gals	lbs	lbs	lbs	lbs	lbs	NUM	
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	MARTE	U 4 7/	EDA	DDCC505		,		T	1		1411.9231		10 mc -						
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	STATE		COSTS	COSTS	COSTS
QII	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL	METHOD	DATE	VOL	WT	WT	WT	WT	RECOVERY	MFST	HAULER	DOSPOSAL	TRANS	TAX
3.5	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CODE	RECYC	4/7/00	gals	Ibs	13,500	Ibs	lbs	lbs	NUM	NA/EAN/ED	<u> </u>		
	METH/TOL	HAZ	D001, F003, F005		NORLITE	VANCHEMNYWW ST028503	INCIN	1/7/08 1/27/08	4,616	13,500 39,380	39,380	39,380	0	13,500 0	2264378JJK 3718310	WEAVER BFC			
	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	2/4/08	4,010	18,000	18,000	0	0	18,000	2264380JJK	ETC LOG	 		
	ACTIVATED CARBON	NON	1 000,1 000		SIEMANS	CHEWINTYVV	RECYC	2/4/08	0	4,500	0	0	0	4,500	2264380JJK	ETC LOG			
	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	2/5/08	3,500	30,980	30,980	30,980	_	0	3681732JJK	BFC			
	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	2/8/08	6,500	6,500	6,500	6,500	0	0	3681731JJJK	BFC	 		
	PETROLEUM NAPTHA	NON	CRO5		AFETY CLN		TREAT	2/7/08	557	3,10-2	0	0	0	557	35779623	SAFETY CLN			
2 5	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	2/14/08	9,000		9,000	0	0		2264381JJK	WEAVER			
ĺ		ĺ	D001, D021,	[1			:				
20 7	OL MOSTONS		D022, F002, F003,	1.]				1	ļ	1	
39 1	OL/ACETONE	HAZ	F005		NORLITE	ST004502	INCIN	2/13/08	0	14,314	14,314	14,314	0	0	3681787JJK	UNITED			
}			D001, D021,		}					}	ł	1		1					
35 T	OL/ACETONE	HAZ	D022, F002, F003,		NODUTE	07004500		0// 0/00		40.000	40.000	40.000	•						
300			F005 D001, D021, F002		NORLITE	ST004502	INCIN	2/13/08	0	13,669	13,669	13,669	0	0	3681787JJK	UNITED	 		
	ION REG BZOH	NON	10001,0021, F002		NORLITE NORLITE	ST040003	INCIN	2/13/08	0	1,237	1,237	1,237	0	0	3681787JJK	UNITED	 		
	REG PTSI RESIDUE	NON	 		RIDGEPT	ST039703 0928DN4	INCIN RECYC	2/13/08	0	2,016	0	2,016 0	<u> </u>	3,965	3681787JJK	UNITED			
<u> </u>		- NON	D021, D022,	BI	יווויסברו	บช20DN4	KEUYU	2/13/08	0	3,965	0	U	<u> </u>	3,965	3681788JJK	UNITED	 		
26 H	IAZ WASTE SOLID	HAZ	F002, F003, F005		LEAN HAR	1378178	INCIN	2/22/08	0	8,404	8,404	8,404	0	0	3681789JJK	HAZMAT			
		11/1/	D001, D003,		FFUN UAK	13/01/6	INCIN	LIZZIUO	U	0,404	0,404	0,404	<u> </u>	 	2001109JJK	DAZIVIA I			
6 A	CE/MCB	HAZ	D021, F003	CI	LEAN HAR	CH26145WTS	INCIN	2/22/08	0	1,852	1,852	1,852	0	0	3681789JJK	HAZMAT			
1 A	MMONIA	HAZ	D021		LEAN HAR	CH26103WTS	TREAT	2/22/08	0	311	311	0	0	311	3681789JJK	HAZMAT	 		
2 A	LKYL ACIDS	HAZ			LEAN HAR	CH26064WTS	INCIN	2/22/08	0	545	545	545	0	1 0	3681789JJK	HAZMAT			
			D001, D002,			0.12000,1110		2,22,00		010		0.0	<u>_</u>	 	00017000010	17/22/07/1	 ` 		
1P	HCF/TOL	HAZ	D003, F005	CL	LEAN HAR	1481169	INCIN	2/22/08	0	69	69	69	0	lol	3681789JJK	HAZMAT			
	PENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	2/26/08	0	15,000	15,000	0	0	15,000	2264383JJK	ETC LOG	 		
13 N	REG PTSI RESIDUE	NON	CRO5	В	RIDGEPT	0928DN4	RECYC	3/5/08	0	6,834	0	0	0	6,834	3711647JJK	UNITED			
			D001, D021,																
i			D022, F002, F003,																
47 T	OL/ACETONE	HAZ	F005	N	ORLITE	ST004502	INCIN	3/5/08	0	17,995	17,995	17,995	0	0	3711520JJK	UNITED	[[
			D001, D021,]	
		1	D022, F002, F003,																
	OL/ACETONE	HAZ	F005		ORLITE	ST004502	INCIN	3/5/08	0	2,844	2,844	2,844	00	0	3711520JJK	UNITED			
5 CI	PENT CARBON/TOL	HAZ	D001, D021, F002		IORLITE	ST040003	INCIN	3/5/08	0	2,430	2,430	2,430	00	0	3711520JJK	UNITED			
3 3	PENT CARBON/TOL	HAZ	F002, F003, F005	SI	IEMANS	CHEMNYWW	RECYC	4/1/08	0	13,500	13,500	00	0	13,500	2264384JJK	ETC LOG			
	-		D001, D021,	_								,						ĺ	
ОТС	DL/ACETONE	HAZ	D022, F002, F003, F005						_				_	- 1			1		
- 910	DEFAULTUNE	HAZ.	D001, D021,	· N	IORLITE	ST004502	INCIN	4/4/08	00	4,004	4,004	4,004	0	0	3711532JJK	UNITED			
	•		D022, F002, F003,					[ĺ		[[[
37 T	DL/ACETONE	HAZ	F005	N/	ORLITE	ST004502	INCIN	4/4/08	,]	12.005	13,905	12 005	0	0	3711532JJK	UNITED	;	J	
8 CE		HAZ	D001, D021, F002		ORLITE	ST040003	INCIN	4/4/08	0 0	13,905 3,660	3,660	13,905 3,660	0		3711532JJK	UNITED			
	NZYL ETHER/METH	HAZ	D001, F003		ORLITE	ST01355N	INCIN	4/4/08	0	4,645	4,645	4,645	0	0	3711532JJK	UNITED			
	RINE/GLYCOL NON R	NON	NONE		ORLITE	ST034103	INCIN	4/4/08	0	1,821	0	1,821	0	0	3711532JJK	UNITED			
	REG PTSI RESIDUE	NON	NONE		RIDGEPT	0928DN4	RECYC	4/4/08	0	1,829	0	0	0	1,829	3711533JJK	UNITED	QUALITY		
		1	D021, D022,			30200114	1,12,010	-11-1100		1,020			`	1,020	27 110000010	JATILO	- GONETTT		
16 HA	Z WASTE SOLID	HAZ	F002, F003, F005	CLE	EAN HAR	1378178	INCIN	4/4/08	0	4,306	4,306	4,306	0	0	3711527JJK	FREEHOLD	1		
			D021, D022,			1070110	110111			1,000	1,000	1,000			0.110270010	TREETIGES			
2 HA	Z WASTE SOLID	HAZ	F002, F003, F005	CLE	EAN HAR	1378178	INCIN	4/4/08	0	144	144	144	0	0	3711527JJK	FREEHOLD	Ĭ.	1	
			D001, D002,																
15 PH	ICF/TOL	HAZ	D003, F005	CLE	EAN HAR	1481169	INCIN	4/4/08	0	6,255	6,255	6,255	0	o	3711527JJK	FREEHOLD			
			D001, D002,																
9 PH	ICF/TOL	HAZ	D003, F005	CLE	EAN HAR	1481169	INCIN	4/4/08	0	3,809	3,809_	3,809	0	0	3711527JJK	FREEHOLD	_		
]																	
1 HY	DRAZINE ANHYD	HAZ	U133, D001, D002	CLE	EAN HAR	LRCTB	INCIN	4/4/08	00	20	20	20	0	0	3711527JJK	FREEHOLD			
	DD ABIN IN A CASE																		
	DRAZINE AQUEOUS		U133, D001, D002		EAN HAR	LRCTB	INCIN	4/4/08	0	5	5	5	0		3711527JJK	FREEHOLD			
	ILLBOTTOMS PHCF	NON	NONE		EAN HAR	1378189	INCIN	4/4/08	0	6,797	0	6,797	0		3711527JJK	FREEHOLD			
7 1 6 7 7	LLBOTTOMS PHCF	NON	NONE	LOID	EAN HAR	1378189	INCIN	4/4/08	0	479	0	479	0	0 1	3711527JJK	FREEHOLD			

	· · · · · · · · · · · · · · · · · · ·	., -									1411.9231	tons							
	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	STATE		COSTS	COSTS	COST
TY	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gals	WT lbs	WT lbs	WT Ibs	WT Ibs	RECOVERY	MFST NUM	HAULER	DOSPOSAL	TRANS	TAX
1 1	HYDRAZINE / TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO29146	INCIN	4/21/08	0	34,900	34,900	34,900	0	0	3677235JJK	BFC			
9 [DMF	HAZ	D001		NORLITE	ST010202	INCIN	4/24/08	0	3,626	3,626	3,626	0	0	3711540JJK	UNITED			
			D001, D021,																
42	TOL /ACETONIE	1147	D022, F002, F003,		NODUTE	07004500	INGIN	4/0.4/00		40.700	40.700	40.700	0		07445401114				
43	TOL/ACETONE	HAZ	F005 D001, D021,		NORLITE	ST004502	INCIN	4/24/08	00	16,706	16,706	16,706	0	0	3711540JJK	UNITED			
			D022, F002, F003,				·							1	1		<u> </u>		
4 7	TOL/ACETONE	HAZ	F005		NORLITE	ST004502	INCIN	4/24/08	0	1,605	1,605	1,605	0	0	3711540JJK	UNITED			
	N REG PTSI RESIDUE	NON	NONE		BRIDGEPT	0928DN4	RECYC	4/24/08	0	10,880	0	0	0	10,880	3711541JJK	UNITED		-	
	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO4080800	INCIN	4/28/08	0	44,118	44,118	44,118	0	0	4278586JJK	BFC	-		
	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	4/29/08	557		0	0	0	557	36306194	SAFETY CLN			
	SPENT CARBON/TOL HYDRAZINE/TOLUENE	HAZ HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	5/1/08	0	31,500	31,500	0	0	31,500	2264386JJK	ETC LOG			
	SPENT CARBON/TOL	HAZ	D001, F005 F002, F003, F005	BzCz	NORLITE SIEMANS	PO40808001 VANCHEMNYWW	INCIN RECYC	5/5/08 5/7/08	0	47,700 9,000	47,700 9,000	47,700 0	0	9,000	4278585JJK 2264387JJK	BFC ETC LOG			
	HEP/SPENT CARBON	HAZ	D001		SIEMANS	VANCHEMINTVVV	RECYC	5/7/08		4,500	4,500	0	0	4,500	2264387JJK	ETC LOG			
	CBZ	HAZ	F002		SIEMANS	VANVDMNYCF	RECYC	5/7/08	0	360	360	0	0	360	2264387JJK	ETC LOG		3.4.4.4.	
	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO4080800	INCIN	5/9/08	0	46,872	46,872	46,872	0	0	4278584JJK	BFC			
	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO40808001	INCIN	5/14/08	0	38,025	38,025	38,025	0	0	4278583JJK	BFC			
	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	5/16/08	0	13,500	13,500	0	0	13,500	2264388JJK	ETC LOG			
1 1	HYDRAZINE/TOLUENE	HAZ	D001, F005		NORLITE	PO40808001	INCIN	5/23/08	0	42,960	42,960	42,960	0	0	4278587JJK	BFC			
			D001, D021, D022, F002, F003,																
73 T	TOL/ACETONE	HAZ	F005		NORLITE	ST004500	INCIN	5/28/08	0	28,032	28,032	28,032	0	0	3674712JJK	UNITED			
73 1	IOLIAGETONE	I IAZ	D001, D021,		NORLITE	31004300	INCIN	3/20/00	U	20,032	20,032	20,032			30/4/ IZJJN	UNITED			
		j	D022, F002, F003,										•						
6 T	TOL/ACETONE	HAZ	F005	İ	NORLITE	ST004502	INCIN	5/28/08	0	2,310	2,310	2,310	0		3674712JJK	UNITED			
4 D	OMF/TOL	HAZ	D001, F003, F005		NORLITE	ST023302	INCIN	5/28/08	0	1,561	1,561	1,561	0	0	3674712JJK	UNITED			
			F005, F003, D001,	i	ł		}										ļ		
	NAOH/TOL		D002, D021, F002		BRIDGEPT	1598FD2HFB	RECYC	5/28/08	0	1,624	1,624	0	0	1,624	3674824JJK	UNITED			
	BOH CARRONGOL	NON	NONE FOOD FOOD		NORLITE	ST039703	INCIN	5/28/08	0	800	0	800	0	0	29642	UNITED			
	SPENT CARBON/TOL SPENT CARBON/TOL	HAZ HAZ	F002, F003, F005 F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	5/29/08	0	9,000	9,000	0	0	9,000	2264389JJK	ETC LOG			
	JI LIVI CANDOIVIOL	11/42.	D001, D021,		SIEMANS	VANCHEMNYWW	RECYC	6/13/08	0	9,000	9,000	0		9,000	2264390JJK	ETC LOG			
		ļ	D022, F002, F003,]			}		
32 T	OL/ACETONE	HAZ	F005		NORLITE	ST004502	INCIN	6/12/08	0	11.208	11,208	11,208	0	0 1	3674992JJK	UNITED			
	•	-	D001, D021,			-				,,						•		•	
			D022, F002, F003,							ŀ									
	OL/ACETONE	HAZ	F005		NORLITE	ST004502	INCIN	6/12/08	0	9,796	9,796	9,796	0	0	3674992JJK	UNITED			
4 A	VANEL NON REG	NON			NORLITE	29762	INCIN	6/12/08	0	1,656	0	1,656	0	0	3674992JJK	UNITED			
		•	F005 F000 B004]														
9 5	ODIUM HYD / TOL		F005, F003, D001, D002, D021, F002		BRIDGEPT	1598FD2HFB	INCIN	6/12/08	0	2.564	0.564	2,561	0	0	3674997JJK	UNITED			
	SOLIDS NON REG	NON	D002, D021, F002	· · · · · · · · · · · · · · · · · · ·	BRIDGEPT	0927DN4	INCIN	6/12/08	0	2,561 116	2,561 0	116	0	0	3674997JJK	UNITED			
	OLIBO HOIL HEO	11011	D021, D022,		DIGDOLLI	0927014	INCIN	0/12/00		110		110			30743378810	ONITED			
26 H	IAZ WASTE SOLID	HAZ	F002, F003, F005	}	CLEAN HAR	1378178	INCIN	6/12/08	0	9,016	9,016	9,016	0	lol	3674993JJK	FREEHOLD	j	j	
			D001, D002,								-,-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	HCF/TOL	HAZ	D003, F005		CLEAN HAR	1481169	INCIN	6/12/08	0	339	339	339	0	0	3674993JJK	FREEHOLD			
1 N	IAOH	<u>H</u> AZ	D002, D005		CLEAN HAR	1453325	TREAT	6/12/08	0	529	529	0	0	529	3674993JJK	FREEHOLD			
ا.	14.011		D002, D021,								1		_		Ţ				
	IAOH		F002, F003, F005		CLEAN HAR	1393023	INCIN	6/12/08	00	1,624	1,624	1,624	0	0	3674993JJK	FREEHOLD			
	ODECANOYL CLOR CZ/TOL	HAZ HAZ	D002 D001, F005		CLEAN HAR	CH26591	INCIN	6/12/08	0	622	622	622	0	0	3674993JJK	FREEHOLD			
12100	OZI TOL	ПАД	D001, F005		CLEAN HAR	CH26783	INCIN	6/12/08	0	5,036	5,036	5,036	0	0	3674993JJK	FREEHOLD			
3 CI	BZ	HAZ	FOO2, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	7/8/08	o	13,500	13,500	0	0	13,500	2264391JJK	WEAVER			
	PENT CARBON/TOL	HAZ	D001, F005		SIEMANS	VANTOLUNYCP	RECYC	7/8/08	0	4,800	4,800	0	0	4,800	2264391JJK	WEAVER	-		
	PENT CARBON/TOL		F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	7/21/08	0	13,500	13,500	0	0		2264392JJK	ETC LOG			
	CTIVATED CARBON	NON	, ===,, 000		SIEMANS		RECYC	7/21/08	0	4,500	4,500	0	0	4,500	2264392JJK	ETC LOG			
	ETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	7/22/08	557		0	0	0	557	38664272	SAFETY CLN			

,00117	ÁZARDOUS WASTE REPOI	XI WORKS	DUCCI							823 1015	1411.9231	tons							
 1	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	WW	RECYCLE	STATE		costs	COSTS	COSTS
ΩТΥ	DESCRIPTION	NON	CODES	GEN WASTE	TSDF	APPROVAL CODE	METHOD	DATE	VOL gals	WT	WT Ibs	WT Ibs	WT	RECOVERY	MFST NUM	HAULER	DOSPOSAL	TRANS	TAX
1	SPENT CARBON/TOL	HAZ	F002, F003, F005	WASTE	SIEMANS	VANCHEMNYWW	TREAT	7/28/08	0		REJECTED	0	REJECTED		2264393JJK	WEAVER	-		
1	CBZ	HAZ	D001, D002, D021, F002, F005		SIEMANS	VANSOLNYCP	TREAT	7/28/08	0		REJECTED	0	REJECTED		2264393JJK	WEAVER		-	
			D021, D022,																
	HAZ WASTE SOLID	HAZ	F002, F003, F005		CLEAN HAR	1378178	INCIN	7/28/08	0	5,124	5,124	5,124	0	0	3711996JJK	HAZMAT HAZMAT			
101	2-CMBSA NON REG	NON	D001, D021,		CLEAN HAR	CH26931WTS	INCIN	7/28/08	0	790	0	790	0	0	3711996JJK	HAZIVIA I			
			D022, F002, F003,																
22	TOL/ACETONE	HAZ	F005		NORLITE	ST004502	INCIN	7/28/08	0	7,439	7,439	7,439	0	0	3711997JJK	UNITED			
			D001, D021, D022, F002, F003,																
-	TOL/ACETONE	HAZ	F005		NORLITE	ST004502	INCIN	7/28/08	0	17,295	17,295	17,295	0	0	3711997JJK	UNITED	ļ		
$\overline{}$	CBZ		D001, D021, F002		NORLITE	ST040003	INCIN	7/28/08	0	3,213	3,213	3,213	0	0	3711997JJK	UNITED .			
	BRINE/GLYCOL NON R CBZ	NON HAZ	D001 D001 E002		NORLITE	ST034103 ST040003	INCIN	7/28/08 7/28/08	0	468 1,840	1,840	468 1,840	0	0	3711997JJK 3711997JJK	UNITED UNITED	 		ļ
	PTSI NON REG	NON	D001, D021, F002		NORLITE BRIDGEPT	0928DN4	INCIN RECYC	7/28/08	0	3,428	0	0	0	3,428	3711997JJK 3711998JJK	UNITED			
	WASTE NON REG	NON			BRIDGEPT	0926D1N4 0926DLHN1	RECYC	7/28/08	0	426	0	0	0	426	3711998JJK	UNITED			·
			D001, D021,		2,1,2,0,2,1	03235ETH1	112010	7720700		120					3,11,000				
11	TOL/ACETONE	HAZ	D022, F002, F003, F005		NORLITE	ST-0045-02	INCIN	8/7/08	0	4.616	4.616	4.616	0	0	3711722JJK	UNITED			
	TOLIAGETONE	I IAZ	D001, D021,		NORLITE	31-0040-02	INCIN	0///00	<u> </u>	4,010	4,010	4,010	 	0	37117223310	OMITED	-		
			D022, F002, F003,					·											
2	TOL/ACETONE	HAZ	F005		NORLITE	ST-0045-02	INCIN	8/7/08	0	533	533	533	0	0	3711722JJK	UNITED			
19	PNBC NON REG	NON			NORLITE	ST-0212-03	INCIN	8/7/08	0	7,341	0	7,341	0	0	3711722JJK	UNITED			
1											}								
الم	OOD!! (M. LIVID / TO!	1107	F005, F003, D001,		5515655	/ * * * * * * * * * * * * * * * * * * *	1110111	0/7/00	•	45.500	45.500	45 500			0744700 LUZ	LINUTED			
34	SODIUM HYD / TOL	HAZ	D002, D021, F002		BRIDGEPT	1598FD2HFB	INCIN	8/7/08	. 0	15,502	15,502	15,502	0	0	3711723JJK	UNITED	-		
3	PTSI RESIDUE	HAZ	D001, D003, D021, F003		CLEAN HAR	CH26145WTS	INCIN	8/7/08	0	1,490	0	1,490	0	0	3711723JJK	UNITED			
	CBZ	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	8/25/08		13,500	13,500	0	0	13,500	2264394JJK	WEAVER			
	JNIVERSAL LAMPS 4"	NON			BETH			29-Aug-08	0	200	0	0	0	200	2	FREEHOLD			
	JNIVERSAL LAMPS 4"	NON			BETH			29-Aug-08	0	100	0	0	0	100	2	FREEHOLD			
	CBZ		F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	9/5/08	0	13,500	13,500	0	0	13,500	2264395JJK	WEAVER			
	CBZ	HAZ	F002, F003, F005		SIEMANS	VANSOLNYCP	RECYC	9/5/08	0	1,800	1,800	0	0	1,800	2264395JJK	WEAVER	4		
	PTSI NON REG	NON NON	CR05		BRIDGEPT	0928DN4	RECYC	9/16/08	00	9,182	0	<u>0</u>	0	9,182 0	3711733JJK WTS30930	UNITED UNITED			
	FEU/WATER NON REG	HAZ.	F002		NORLITE NORLITE	ST-0200-03 PO82108006H1HH	INCIN	9/16/08 9/16/08	0	576 163	163	576 163	0	0	3711732JJK	UNITED			
11 (D001, D021, F002		NORLITE	ST-0400-03	INCIN	9/16/08	0	5,511	5,511	5,511	0	0	3711732JJK	UNITED			
	CBZ		D001, D021, F002		NORLITE	ST-0400-03	INCIN	9/16/08	0	7,200	7,200	7,200	0	Ö	3711732JJK	UNITED			
			D001, D021,																
			D022, F002, F003,						_				_						
31	OL/ACETONE	HAZ	F005		NORLITE	ST-0045-02	INCIN	9/16/08	0	10,894	10,894	10,894	0	0	3711732JJK	UNITED			
İ			D001, D021, D022, F002, F003,		ŀ														
10	FOL/ACETONE	HAZ	F005		NORLITE	ST-0045-02	INCIN	9/16/08	0	4,148	4,148	4,148	0	o	3711732JJK	UNITED			
-	CLBZ SPENT CARBON		F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	9/17/08	0	9,000	9,000	0	0	9,000	2264397JJK	WEAVER			
1 5	SPENT CARBON/TOL	HAZ	D001, F005		SIEMANS	VANTOLUNYCP	RECYC	9/17/08	0	1,800	1,800	0	0	1,800	2264397JJK	WEAVER			
	CLBZ SPENT CARBON		F002, D021, D001		SIEMANS	VANVDMNYCF	RECYC	9/17/08	0	540	540	0	0	540	2264397JJK	WEAVER			
1 [DEA/TOL DEA/TOL	HAZ	D001		NORLITE	WTS31085	INCIN	9/23/08	0	45,000	45,000	45,000	0	0	3674609JJK	HAZMAT			
1 /	ACE/MCB	HAZ	D001, D003, D021, F003		CLEAN HAR	CH26145WTS	INCIN	9/26/08	0	279	279	279	0	0	3711731JJK	FREEHOLD			
\Box			D021, D022,																
$\overline{}$	AZ WASTE SOLID		F002, F003, F005		CLEAN HAR	1378178	_INCIN	9/26/08	00	3,977	3,977	3,977	0	0	3711731JJK	FREEHOLD			
	SPENT CARBON/TOL		F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	10/1/08	0	13,500	13,500	0	0	13,500	2264396JJK	WEAVER			
	SPENT CARBON/TOL	HAZ	F005, D001		SIEMANS	VANTOLUNYCP	RECYC	10/1/08	00	5,400	5,400	0	0	5,400	2264396JJK	WEAVER			
-11	HYDRAZINE HYD/TOL	HAZ	D001, F005 D001, D021,		NORLITE	WTS31002	INCIN	10/8/08	0	33,440	33,440	33,440	0	0	4398127JJK	BFC	 		
- 1	ļ	I.		1	1	1	1	1			1	,		}	,		1		
- 1		I.	D022, F002, F003,	I	i	I	1	J		l l		1	I	1	1		1 1		

	<u> </u>					-	1				1411.9231						· .		
	WASTE	HAZ/	EPA	PROCESS			DISP	SHIP	DISP	DISP	HAZ	INCINERATION	ww	RECYCLE	STATE		COSTS	COSTS	COSTS
QTY	DESCRIPTION	NON	CODES	GEN	TSDF	APPROVAL CODE	METHOD	DATE	VOL	WT	WT Ibs	WT	WT lbs	RECOVERY	MFST NUM	HAULER	DOSPOSAL	TRANS	TAX
			D001, D021,	WASTE		CODE			gals	lbs	ibs	lbs	ibs	ins	NOW				
			D022, F002, F003,				1												,
1	TOL/ACETONE	HAZ	F005		NORLITE	3676853JJK	INCIN	10/9/08	0	440	440	440	o	0	3676853JJK	UNITED			
	DEA/TOL	HAZ	F005, D001		NORLITE	3676853JJK	INCIN	10/9/08	0	771	771	771	0	0	3676853JJK	UNITED			
	DEA/TOL	HAZ	F005, D001	· · · · · · · · · · · · · · · · · · ·	NORLITE	3676853JJK	INCIN	10/9/08	0	8,782	8,782	8,782	0	0	3676853JJK	UNITED			
5 (CBZ	HAZ	D001, D021, F002		NORLITE	3676853JJK	INCIN	10/9/08	0	2,063	2,063	2,063	0	0	3676853JJK	UNITED			
	CBZ	HAZ	D001, D021, F002		NORLITE	3676853JJK	INCIN	10/9/08	0	400	400	400	0	0	3676853JJK	UNITED			
$\overline{}$	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31003	INCIN	10/10/08	0	35,200	35,200	35,200	0	0	4398128JJK	BFC			
	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	10/17/08		557	0	0	0	557	36306194	SAFETY CLN			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31313	INCIN	10/16/08	0	37,520	37,520	37,520	0	0	4398129JJK	BFC			
		ļ	D001, D021,																
. _			D022, F002, F003,	•				4 = 1 = 2 = 2	_				_		00740001116				
	TOL/ACETONE	HAZ	F005	- Annual Asia	NORLITE	ST004502	INCIN	10/20/08	0	30,777	30,777	30,777	0	0	3674668JJK	BFC			
	HYDRAZINE HYD/TOL	HAZ	D001, F005	··-	NORLITE	14.5504050	INCIN	10/24/08	0	37,340	37,340	37,340	0	0	4398130JJK	BFC	ļ		
	PTSI NON REG	NON	CRO5		BRIDGEPT	WTS31350	RECYC	10/30/08	0	106	0	0	0	106	3711805JJK	UNITED	ļ		
	PTSI NON REG	NON	CRO5		BRIDGEPT	WTS31350	RECYC	10/30/08	0	3,466	0	0	0	3,466	3711805JJK	UNITED			
	PNBC NON REG	NON	1		NORLITE	ST-0212-03	INCIN	10/30/08	0	4,568 5,787	0	4,568 5,787	0	0	WTS31350 WTS31350	UNITED			
16 F	PNBC NON REG	NON	+		NORLITE NORLITE	ST-0212-03 ST-0397-03	INCIN	10/30/08 10/30/08	0	5,787	0	5,787	0	0	WTS31350	UNITED			
									0		0	1,200	0	0	WTS31350				
<u> </u>	PNBC NON REG	NON	D001, D021,		NORLITE	ST-0212-03	INCIN	10/30/08	U	1,200	0	1,200	U	- 0	VV1 33 133U	UNITED			
		1		·															
1217	TOL/ACETONE	HAZ	D022, F002, F003, F005		NORLITE	ST-0045-02	INCIN	10/30/08	0	4,139	4,139	4,139	0	0	3711804JJK	UNITED			
-12	IOLIACETONE	ПАД	D001, D021,		NORLITE	31-0043-02	INCIN	10/30/06	- 0	4,139	4,139	4,139	<u> </u>	-	37 110043311	OMITED			
			D022, F002, F003,																
17	TOL/ACETONE	HAZ	F005		NORLITE	ST-0045-02	INCIN	10/30/08	0	7,208	7,208	7,208	0		3711804JJK	UNITED			
	OMF	HAZ	D001		NORLITE	ST-0045-02 ST-0102-02	INCIN	10/30/08	0	292	292	292	0		3711804JJK	UNITED			
	DEA/TOL	HAZ	F005, D001		NORLITE	ST-0102-02 ST-0148-02	INCIN	10/30/08		4,259	4,259	4,259	0	0	3711804JJK	UNITED			
	DEATOL	ПАД	D021, F002, F003,		NORLITE	31-0140-02	INCIN	10/30/06	U	4,209	4,200	4,200		1 0	37110040011	ONITED			
1 1	IQUID HAZ WASTE	HAZ	F005		NORLITE	ST015103	INCIN	11/4/08	0	25,140	25,140	25,140	0	0	4398344JJK	HAZMAT			
	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	40808001	INCIN	11/4/08	0	37,940	37,940	37,940	0	0	4398131JJK	BFC			! <u></u>
	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	11/6/08	0	18,000	18,000	0	0	18,000	2264398JJK	ETC LOG		-	
	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31314	INCIN	11/5/08	0	39,680	39,680	39,680	0	0	4398290JJK	BFC			
	NITROBZL CHLORIDE	HAZ	D003		CLEAN HAR	CH1530515	INCIN	11/7/08	0	4,158	4,158	4,158	0	0	3680743JJK	FREEHOLD			
	WITHOUSE OFFICERING	11/12	D021, D022,		OLL/ (() I) (()	0111000010	inon (1111100		1,100	1,100	1,100	···················	 	00007 100011	11(00.100.0			
21 F	AZ WASTE SOLID	HAZ	F002, F003, F005		CLEAN HAR	1378178-1	INCIN	11/7/08	0	6,404	6,404	6,404	0		3680743JJK	FREEHOLD			
	-		D021, D022,	-	OLL: WYING						97.0.	 		<u> </u>					
111	AZ WASTE SOLID	HAZ	F002, F003, F005		CLEAN HAR	1378178-1	INCIN	11/7/08	0	435	435	435	0	1 0 1	3680743JJK	FREEHOLD			
	VST MECURY	HAZ	D009		CLEAN HAR	CC16092	INCIN	11/7/08	0	8	8	8	0	0	3680743JJK	FREEHOLD			
			D001, D002,					, ,,,,,,											
1 L	IQUID HAZ WASTE	HAZ	D003, F005		CLEAN HAR	1481169	INCIN	11/7/08	0	429	429	429	0	0	3680743JJK	FREEHOLD			
			D001, D002,																
2 L	IQUID HAZ WASTE	HAZ	D003, F005		CLEAN HAR	CH26783WTS	INCIN	11/7/08	0	695	695	695	0	0	3680743JJK	FREEHOLD	-		
			D001, D003,																
3 A	CE/MCB	HAZ	D021, F003	İ	CLEAN HAR	CH26145WTS	INCIN	10/28/08	0	1,484	1,484	1,484	0	0	33674669JJK	DART			
1 N	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	11/14/08	0	48,380	48,380	48,380	0	0	226440JJK	FRANKS			
1 ⊦	IYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE		INCIN	11/17/08	0	34,800	34,800	34,800	0	0	4398289JJK	BFC			
	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	11/14/08	0	41,480	41,480	41,480	0	0	2264399JJK	BFC			
16 2	-CMBSA NON REG	NON			EQ IND	K0827509WTSIND	INCIN	11/20/08	0	1,200	0	1,200	0	0	4398449JJL	HAZMAT			
	IYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31316		11/21/08	0	37,680	37,680	37,680	0	0	4398288JJK	BFC			
	IYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS	INCIN	11/25/08	0	39,260	39,260	39,260	0	0	4398287JJK	UNITED			
3 S	PENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	12/1/08	0	13,500	13,500	0	0	13,500	2264401JJK	WEAVER			
			D001, D002,																
	BZ		D021, F002, F005		SIEMANS	SOLVNYCP	RECYC	12/1/08	0	1,800	1,800	0	0	1,800	2264401JJK	WEAVER			
	IYDRAZINE/TOLUENE	HAZ	D001, F005		NORLITE	WTS31317	INCIN	12/2/08	0	38,160	38,160	38,160	0	0	4398286JJK	BFC			
	IYDRAZINE/TOLUENE	HAZ	D001, F005		NORLITE	WTS131812	INCIN	12/3/08	0	18,920	18,920	18,920	0	0	2264402JJK	UNITED			
	VATER/HEGCL NON	NON			NORLITE	ST00975N	INCIN	12/19/08	0	433	0	433	0	0	WTS31800	UNITED			
2 N	ION REG BZOH	NON			NORLITE	ST039703 0928DN4	INCIN RECYC	12/19/08 12/19/08	0	909 10,885	0	909	0	0 10,885	WTS31800 3680754JJJ	UNITED			
		NON	CRO5		BRIDGEPT											UNITED			

										823.1015	1411.9231	tons							
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT Ibs	HAZ WT Ibs	INCINERATION WT	WW WT Ibs	RECYCLE RECOVERY Ibs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
2	SOLIDS NON REG	NON	CRO5		BRIDGEPT	0927DN4	RECYC	12/19/08	0	207	0	0	0	207	3680754JJK	UNITED	1		
17	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	12/19/08	0	7,980	7,980	7,980	0	0	3680753JJK	UNITED			
9	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	12/19/08	0	2,813	2,813	2,813	0	0	3680753JJK	UNITED			
	DMF	HAZ	D001		NORLITE	ST010202	INCIN	12/19/08	0	1,715	1,715	1,715	0	0	3680753JJK	UNITED			
						1			<u>.</u>					 					
																			
							ļ				4 000 000								
										11	1,268,362	-					-		
			-				ļ ļ			Haz Waste	634.18	Tons					1		

-	Tons Waste	Estimated Yearly total
January	26	317
February	60	518
March	12	392
April	78	527
May	138	754
June	25	750
July	36	692
August	17	705
September	52	643
October	123	607
November	130	858
December		·
Total	697	

547.84625 559.67375

COSTS TO TREATED DISP. () DESCRIPTION R = RECYCLE "R" S188441 2 NON REG MATERIAL NON 9/17/09 77 FREEHOLD BETHLEHEM APPARATUS 1 NON REG MATERIAL NON 9/17/09 19 \$188441 FREEHOLD BETHLEHEM APPARATUS 1 NON REG MATERIAL S188441 FREEHOLD NON 22 BETHLEHEM APPARATUS 9/17/09 D001, D002, D022 1,293 36810451TK LINITED HEPTANE/HCL HAZ BRIDGEPORT 2050900 2/24/09 1,293 1,293 1 HAZ WST SOLID WTS# 33025 245 003681048 JJK UNITED HAZ D022 BRIDGEPORT INCIN 4/17/09 245 245 9 NON REG MATERIAL WTS # 33025 003681048 JJK UNITED CR05 NON BRIDGEPORT 4/17/09 5.000 D021, D022, F002 HAZ WST SOLID HAZ 458 458 458 003675824 JJK UNITED F003, F005 BRIDGEPORT INCIN 7/9/09 WTS#33787 003675824 JJK UNITED 8 NON REG MATERIAL CR05 7/9/09 1.576 0 0 NON BRIDGEPORT WTS#33787 2 NON REG MATERIAL CR05 BRIDGEPORT WTS# 34068 7/30/09 1,083 0 0 003675827 JJK UNITED NON 005, F003, D001. 003683593 JJK UNITED WASTE FLAMMABLE LIQ WTS# 34726 WO# J0929090036 526 526 526 HAZ D002, D021 10/15/09 BRIDGEPORT INCIN 003683593 JJK UNITED 23 NON REG MATERIAL NON CR05 BRIDGEPORT WTS# 34726 WO# J0929090036 10/15/09 8,600 D021, D022, F002, F003 16 HAZ WST SOLID 3681061JJK FREEHOLD HAZ. F005 CLEAN 1378178-1 INCIN 1/15/09 4.499 4.499 4,499 468 FREEHOLD 1 SODIUM HYDROXIDE D002, D005 468 468 3681061JJK HAZ CLEAN 1453325 TREAT 1/15/09 13 NON REG MATERIAL Changed to Haz CLEAN HARBORS 8,500 D002 8,500 8,500 HAZ INCIN 7/30/08 D021, D022, F002, 15 HAZ WST SOLID 3,171 003681055 JJK CLEAN HABORS HAZ F003,F005 CLEAN HARBORS 1378178-1 INCIN 3/18/09 3,171 3.171 D021, D022, F002 11 HAZ WST SOLID CLEAN HARBORS WTS# 33058 3,201 3 201 003681049 JJK HAZMAT HAZ F003, F005 INCIN 4/21/09 3 201 HAZMAT 3 WASTE FLAMMABLE LIQ D001, F002, D021 CLEAN HARBORS WTS # 33058 1,074 003681049 JJK HAZ INCIN 4/21/09 1,074 1,074 003681049 JJK HAZMAT 1 HAZ WST SOLID D021 CLEAN HARBORS WTS# 33058 274 274 274 HAZ INCIN 4/21/09 D021,D022,F002,F00 003675821 JJK HAZMAT 22 HAZ WST SOLID HAZ 7.650 7,650 7,650 F005 CLEAN HARBORS \$#33587 LOAD#215848 SO#D22360001 - 1378 INCIN 6/19/09 021 D022 F002 F0 003675821 JJK HAZMAT 31 HAZ WST SOLID 5 864 5,864 HAZ F005 CLEAN HARBORS \$#33587 LOAD#215848 SO#D22360001 - 13781 INCIN 6/19/09 5 864 021,D022,F002,F HAZ WST SOLID HAZ F005 CLEAN HARBORS 5#33587 LOAD#215848 SO#D22360001 - 13781 INCIN 6/19/09 1,173 1,173 1,173 003675821 JJK HAZMAT 003675821 JJK HAZMAT 2 NON REG MATERIAL NON CLEAN HARBORS | 33587 LOAD#215848 SO#D22360001 - CH26931WTS 6/19/09 603 0 HAZ WST SOLID (reject from Norlite) CLEAN HARBORS 5,162 5,162 5.162 003675824 JJK UNITED HAZ 1408339 WTS#33787 INCIN 7/9/09 D021, D022, F002, HAZ WST SOLID 003675834 JJK HAZMAT HA7 CLEAN HARBORS WTS#33854 LOAD#216651 7/23/09 3,426 F003, F005 INCIN 003675834 JJK HAZMAT 1 WASTE ISOCYANATES HAZ D001 CLEAN HARBORS WTS#33854 LOAD#216651 INCIN 7/23/09 25 25 25 HAZMAT 415 003683585 JJK 1 WASTE - SODIUM HYDROXIDE HAZ **CLEAN HARBORS** TREAT 415 415 D002, D005 WTS# 34360 LOAD# 217242 8/28/09 D021, D022, F002, 003683585 JJK HAZMAT 6 HAZ WASTE SOLID HAZ CLEAN HARBORS 1,572 F003, F005 WTS# 34360 LOAD# 217242 INCIN 8/28/09 003683585 JJK HAZMAT 4 WASTE FLAMMABLE LIQ HAZ D001, D003, F005 CLEAN HARBORS WTS# 34360 LOAD# 217242 INCIN 8/28/09 2,228 2,228 2,228 003683585 JJK HAZMAT 4 WASTE CORROSIVE LIQUIDS HAZ 1,450 D002, D021, F002 CLEAN HARBORS WTS# 34360 LOAD# 217242 INCIN 8/28/09 1,450 3,090 6 NONREG - REJECTED AS HAZ CLEAN HARBORS 3,090 HAZ D002 10/15/09 003683591 JJK | CLEAN HABOR 1 WASTE FLAMMABLE LIQ 320 HAZ D001, D003, F005 CLEAN HARBORS WTS# 37428 LOAD# 217882 INCIN 10/21/09 320 320 D001, D003, D021, 003683591 JJK | CLEAN HABORS WASTE FLAMMABLE LIQ HAZ CLEAN HARBORS 10/21/09 764 764 764 F003 WTS# 37428 LOAD# 217882 INCIN D001, D003, D021, 003683591 JJK CLEAN HABORS WASTE FLAMMABLE LIQ HAZ **CLEAN HARBORS** WTS# 37428 LOAD# 217882 INCIN 10/21/09 1,488 1,488 1,488 F003 D021, D022, F002, 003683591 JJK CLEAN HABORS HAZ WASTE SOLID HAZ WTS# 37428 LOAD# 217882 10/21/09 4.376 4,376 4,376 F003, F005 **CLEAN HARBORS** INCIN 15 NON REG MATERIAL NON COVANTA WTS PO#33136 5/11/09 1,725 33136 HAZMAT 0 0 32526 HAZMAT 21 NON REG MATERIAL INCIN NON COVERTE 7923 2/18/09 2,100 FREEHOLD 003675826 JJK 13 NON REG MATERIAL NON EQ DETROIT WTS #33856 7/13/09 1,628 1 HYDRAZINE HYD/TOL HAZ D001, F005 NORLITE INCIN 2/10/09 33,780 33,780 33,780 4731862JJK BEC WTSPO32393 BFC HYDRAZINE HYD/TOL 32394 D001, F005 38,000 HAZ NORLITE ERO131 INCIN 2/17/09 38.000 38.000 3681046JJK UNITED 8 CHLOROBENZENE HAZ D001, D021, F002 NORLITE ST040003 INCIN 2/24/09 3,105 3,105 3,105 0001, D021, D022, F002, 3681046ЈЈК UNITED 24 ACE/TOL 9,969 9,969 HAZ F003, F005 NORLITE ST004502 INCIN 2/24/09 9.969 D001, D021, D022, F002 3681046ЈЈК UNITED ACE/TOL 15,641 15,641 HAZ F003 F005 NORLITE 2/24/09 15.641 ST004502 INCIN 4731860JJK BFC HYDRAZINE HYD/TOL HAZ D001, F005 NORLITE 32395 INCIN 2/24/09 39 360 39.360 39,360 4731859JJK BEC HYDRAZINE HYD/TOL HAZ D001, F005 NORLITE INCIN 3/3/09 41,280 41,280 41,280 32602 004731858JJK BFC 1 HYDRAZINE HYD/TOL D001 F005 41 220 41 220 41 220 HAZ NORLITE PO40808001FGMS INCIN 3/10/09 BFC 004731857 JJK 1 HYDRAZINE HYD/TOL HAZ D001, F005 3/17/09 39,780 39,780 39,780 NORLITE PO40808001FGMS INCIN 1 HYDRAZINE HYD/TOL 39,780 004731856 JJK BFC HAZ D001, F005 39,780 NORLITE 39.780 PO408008001EGMS INCIN 3/24/09 PO40808001FGMS WTS PO 004731855 JJK BFC HYDRAZINE HYD/TOL HAZ D001, F005 NORLITE 32606 J0225090017 3/31/09 40,760 40,760 40,760 INCIN PO40808001FGMS WTS PO# 004731854 JJK BFC HYDRAZINE HYD/TOL HAZ 40,000 40.000 40,000 D001 F005 NORLITE 32972 DEL# J0406090023101 INCIN 4/7/09 001, D021, D022, F002 003681047 JJK UNITED 27 ACE/TOL HAZ F003, F005 **NORLITE** WTS# 33024 INCIN 4/17/09 11,404 11,404 11,404 001, D021, D022, F002 003681047 JJK UNITED ACE/TOL HA7 F003, F005 **NORLITE** WTS# 33024 4/17/09 5,732 5,732 5,732 INCIN 003681047 JJK UNITED 1 NON REG MATERIAL WTS# 33024 NON NORLITE 4/17/09 1.049 0 36.860 36,860 004398797 JJK BFC WASTE FLAMMABLE LIC HAZ D001, F003, F005 NORLITE WTS# 33079 WO# J041609105-1 INCIN 4/29/09 36.860 004398796 JJK BFC 1 WASTE FLAMMABLE LIQ HAZ D001, F003, F005 NORLITE 35,160 35,160 35,160 WTS# 33079 WO# J041609106-1 INCIN 5/1/09 D001, D021, D022, 003676087 JJK UNITED WASTE FLAMMABLE LIQ HAZ 394 394 394

5/5/09

INCIN

NORLITE

F002, F003

WTS# 33175

L = LANDFILL

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2009 HAZARDOUS WASTE REPORT WORKSHEET

547.84625 559.67375

COSTS: COSTS: COSTS: T = TREATED

MEST: HAULER - DOSESSAL TIANS A TAXE R = RECYCLE WASTE LIAZI DESCRIPTION NON APPROVAL CODE EPAU CODES DISP. DEP. (12/2/1) Wi k MERCODE. ग्रह्मा 1 WASTE FLAMMABLE LIQ 35 300 HAZ D001, F003, F005 NORLITE WTS# 33209 WO# J042909077101 INCIN 5/5/09 35.300 35.300 003676159 JJK BFC D001, D021, D022, WASTE FLAMMABLE LIQ HA7 F002, F003 NORLITE WTS#33356 WO#J0504090108-101 INCIN 5/22/09 4.848 4.848 4.848 003676085 JJK UNITED 12 D001, D021, D022, WASTE FLAMMABLE LIQ HAZ F002, F003 NORLITE WTS#33356 WO#J0504090108-101 INCIN 5/22/09 5,297 5,297 003676085 JJK UNITED D001, D021, D022, 003676085 JJK HAZ WTS#33356 WO#J0504090108-101 5/22/09 WASTE FLAMMABLE LIQ F002, F003 NORLITE INCIN 15,085 15,085 15,085 UNITED NORLITE 0 NON REG MATERIAL NON WTS#33356 WO#J0504090108-101 5/22/09 003676085 JJK UNITED D001,D021, INCIN 11,394 WASTE FLAMMABLE LIQ HAZ D022,F002,F003 **NORLITE** WTS#33560 WO#J0601090021101 6/12/09 11.394 11.394 003675815 JJK UNITED D001,D021, WASTE FLAMMABLE LIQ HAZ D022,F002,F003 NORLITE WTS#33560 WO#J0601090021101 INCIN 6/12/09 7,665 7,665 003675815 JJK UNITED 4 WASTE FLAMMABLE LIQ WTS#33560 WO#J0601090021101 INCIN 003675815 JJK D001, F003, F005 NORLITE HAZ 6/12/09 1.438 1.438 1,438 UNITED WASTE CHLOROBENZE HAZ D001, D021, F002 NORLITE WTS#33560 WO#J0601090021101 INCIN 6/12/09 1,428 1,428 1,428 003675815 JJK UNITED F005, F003, D001, WTS# 33612 WO# J060190023101 INCIN 10.534 WASTE FLAMMABLE LIQ HAZ D002, F002 NORLITE 6/12/09 10,534 10,534 003676081 JJK UNITED D001, D021, D022 NORLITE WASTE FLAMMABLE LIQ HAZ F002, F003 WTS# 33788 INCIN 7/9/09 8.168 8,168 003675825 JJK UNITED D001, D021, D022, NORLITE WTS# 33788 INCIN 4,917 4,917 003675825 JJK WASTE FLAMMABLE LIQ HAZ F002, F003 7/9/09 UNITED 3 WASTE N,N-DIMETHLFORMAMIDE NORLITE INCIN 003675825 JJK D001 WTS# 33788 7/9/09 1.164 1,164 UNITED HAZ 1.164 5 NON REG MATERIAL NORLITE 003675825 JJK NON WTS# 33788 7/9/09 1.970 UNITED D001, D021, D022, WASTE FLAMMABLE LIQ HAZ F002, F003 **NORLITE** WTS# 34081 INCIN 7/30/09 3,112 3,112 3,112 003675828 JJK UNITED D001, D021, D022, WASTE FLAMMABLE LIQ HAZ NORLITE WTS# 34081 INCIN 456 456 003675828 JJK 7/30/09 456 F002 F003 UNITED D001, D021, D022, WASTE FLAMMABLE LIQ HAZ. NORLITE WTS# 34081 INCIN 7/30/09 003675828 JJK F002, F003 1.833 1.833 UNITED NON REG MATERIAL WTS# 34081 INCIN 7/30/09 003675828 JJK UNITED NON NORLITE 3,400 1 WASTE FLAMMABLE LIQ D001 F005 NORI ITE 40 600 40,600 HAZ WTS# 33973 INCIN 7/31/09 40 600 004734909 JJK BEC 1 WASTE FLAMMABLE LIQ HAZ D001, F005 NORLITE PO40808001FGMS INCIN 8/7/09 36,860 36,860 36.860 004734908 JJK BFC WASTE FLAMMABLE LIQ HAZ D-001, F005 NORLITE PO40808001FGMS INCIN 8/14/09 37.440 37,440 37.440 004734907 JJK BFC D001, F005 1 WASTE FLAMMABLE LIQ HAZ NORLITE PO40808001FGMS WTS# 33976 INCIN 8/21/09 39,300 39,300 39,300 004734906 JJK BFC PO408008001FGMS WTS# 33977 1 WASTE FLAMMABLE LIQ D001, F005 INCIN 8/31/09 004734905 JJK HAZ NORI ITE 35 520 35.520 35.520 BFC WASTE FLAMMABLE LIQ HAZ D001, F005 NORLITI WTS# 34398 DEL# J0826090114-101 INCIN 9/2/09 23,120 23,120 23,120 004734904 JJK BFC D001, D021, D022, WASTE FLAMMABLE LIQ HAZ F002, F003 NORLITE WTS#34725 WO# J092909003410 INCIN 10/15/09 2,821 2,821 2,821 003683592 JJK UNITED D001, D021, D022 INCIN 10/15/09 WASTE FLAMMABLE LIQ HAZ F002, F003 NORLITE WTS#34725 WO# J092909003410 12.227 12,227 003683592 JJK UNITED WASTE FLAMMABLE LIQ HAZ D001, F003, F005 NORLITE WTS#34725 WO# J092909003410 INCIN 10/15/09 770 770 003683592 JJK UNITED 23 PETROLEUM NAPTHA CRO5 NON TREAT 1/12/09 557 38075794 SAFETY CLN SAFETY CLN 1 NON REG MATERIAL NON SAFETY CLN TREAT 6/25/09 22 M005788710 SAFETY CLEAN 1 NON REG MATERIAL NON SAFETY CLN 9/17/09 23 150 39760703 SAFETY CLEAN 4 SPENT CARBON/TOL F002 F003 F005 SIEMANS RECYCL 1/6/09 14 343 2264404.IK ETCLOG HAZVANCHEMNYWW 14 343 14,343 3 SPENT CARBON/TOL D001, F005 1/19/09 3,418 2264405JJK WEAVER HAZ SIEMANS VANTOLNYCP TREAT 3,418 3,418 1 SPENT CARBON/TOL F002, F003, F005 2264405JJK WEAVER SIEMANS TREAT 1/19/09 3,527 HAZ VANCHEMNYWW 3.527 3.527 SPENT CARBON/TOI HAZ F002 F003 F005 SIEMANS RECYCL 2/4/09 6.866 6.866 6,866 2264407JJK WEAVER VANCHEMNYWW 3 SPENT CARBON/TOL F002, F003, F005 SIEMENS VAN-CHEMNY-NW RECYCL 3/10/09 12,286 12,286 12,286 002264408 JJK WEAVERTOW HAZ 1 SPENT CARBON/TOL D001 F003 D021 F002 002264408 JTK 1.500 HAZ. SIEMENS VAN-SULVNY-CP RECYCL. 3/10/09 1.500 1.500 WEAVERTOWN 6 SPENT CARBON/TOL HAZ. F002, F003, F005 SIEMENS VAN-CHEMNY-WV RECYCL 5/5/09 21,760 21,760 21,760 002264409 JJK ETC LOG 2 HAZ WST SOLID HAZ F002, F003, F005 SIEMENS VAN-CHEMNY-WW RECYCL 5/20/09 7,185 7,185 7,185 002264410JJK ETC LOG RECYCL 5/20/09 HAZ WST SOLID HA7 D001,D021,F002, F005 SIEMENS VAN-SOLVNY-CP 2,683 2,683 2.683 002264410JJK 3 HAZ WST SOLID SIEMENS VAN-TETRNY-CP RECYCL 5/20/09 6,673 6,673 002264410JJK HAZ D001 6,673 ETC LOG 5 HAZ WST SOLID HAZ F002, F003, F005 SIEMENS VAN-CHEMNY-WW 18,222 002264411 JJK WEAVERTOWN RECYCL 7/21/09 18,222 18,222 D001, D021, F002. HAZ WST SOLID HA7 F005 SIEMENS VAN-BUSPNX-AF 7/21/09 509 509 002264411 JJK | WEAVERTOWN 1 HAZ WST SOLID D001, D021, F002 SIEMENS VAN-VDMNY-AF 177 177 177 002264411 JJK | WEAVERTOWN HAZ 7/21/09 RECYCL 9/15/09 1 HAZ WASTE SOLID HAZ F002, F003, F005 SIEMENS VAN-CHEMNY-WW 14,400 14,400 14,400 002264412 JJK WEAVERTOWN 1 HAZ WASTE SOLID D001, D021, F002 SIEMENS VAN-VDMNY-AF RECYCL 9/15/09 180 180 180 002264412 JJK | WEAVERTOWN HA7 2 HAZ WASTE SOLID HAZ F002, F003, F005 SIEMENS VAN-CHEMNY-WW RECYCL 10/20/09 7.828 7.828 9.000 002264414 JJK WEAVERTOWN 1 TOLUENE FOR SALE NON SOLD TO WTS SOLD 4/30/09 43 300 13 TOLUENE TOTES FOR SALE SOLD TO WTS ÑA NON SOLD 6/5/09 21,600 121,557 NON REG MATERIAL NON (7923) WTS PO#32904 4,000 NYD980769947 HAZMAT 3/30/09 11095,693 (1.119)348 (1.872)261 (1.8883) (1.121729)

Tons Hz Waste 559,67375

Monthly su	ummary
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Total

	Tons Waste	Estimated Yearly total
January	1	9
February	9	57
March	14	94
April	8	94
May	131	390
June	87	500
July	128	649
August	27	608
September	28	578
October	86	623
November		
December		

519

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1	() () () () () () () () () ()	1 AC F.	WASTER		VANDEMARK(PRODUC	TA HAZAS PEROCESS	Mark Services		STATE OF THE	A CLINED LOG	PELIFATE C	4 1 107	MOUNT AS	E ASSIDE	MATERIAL STREET	* RECD
S	HIP	QTY	DESCRIPTION, * .		A Programme of the	NON CAGEN	TSDF	APPROVAL APPROVAL APPROVAL	MANIFEST	A CONTENT OF			Wan.	WEIGHTS	WEIGHTS	COUNTY
, D/	TE					WASTE	100	CODE 7	NUMBER		LES.	GALLONS	I ALESS &	LBS	LBS	CAULONS.
346	50110			A STATE OF THE STA		2 PACO PAGE						1	No.			
	08/10 08/10	5	HAZ WASTE SOLID	spend carbon		HAZ	SIEMENS	VAN-CHEMNY-WW	002264415JJK	RECYCLE	22,500			22,500	18,843	
_	08/10		HAZ WASTE SOLID	spend carbon		HAZ HAZ	SIEMENS SIEMENS	VAN-SOLVNY-CP	002264415JJK	RECYCLE RECYCLE	1,800			1,800 3,600	2,800 3,437	
	4/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide	 	HAZ	BRIDGEPORT	VAN-TOLUNY-CP 1598FD2HFB	002264415JJK 003675435JJK	INCINERATE	3,600 246		 	246	246	
01/1	4/10	17	NON-REGULATED	ptsi residue		NON	BRIGEPORT	0928DN4	003675435JJK	INGINEIVAL	0		9,134	9,134	7,874	
	5/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435		HAZ	CLEAN HABOURS	1408339	003675426JJK	INCINERATE	1,260			1,260	1,260	
	4/10	39	HAZ WASTE SOLID WASTE CORROSIVE LIQ	dedecar and althorate		HAZ	CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	10,837			10,837	10,837	
<u></u>	4/10 4/10	1	HAZ WASTE SOLID	dodecanoyl chloride	Lauroyl Chloride	HAZ	CLEAN HABOURS	CH26592WTS	003675439JJK	INCINERATE	407	 		407	407	
	4/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ HAZ	CLEAN HABOURS NORLITE	1378178-1 ST-0045-02	003675439JJK 003675436JJK	INCINERATE INCINERATE	410 14,812			14,812	410 14,812	
01/1	4/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	ST-0045-02	003675436JJK	INCINERATE	7,800			7,800	7,800	ļ
	4/10	12	WASTE	n,n-dimethylformamide		HAZ	NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042			5,042	5,042	
	4/10	4	NON-REGULATED	teu & water		NON	NORLITE	ST-0200-03	003675436JJK		0		1,424	1,424	1,424	
01/1	5/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808801FGMS, J0112100015-101	004731853JJK	INCINERATE	33,260	3,655		33,260	32,820	3,607
	9/10		WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene hydrazine hydrate, toluene	Benzyl Carbazate Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0119100020-101	004399709JJK	INCINERATE	35,500	3,767		35,500	35,500	3,767
02/0			HAZ WASTE SOLID	spent carbon	Delizyi Garbazate	HAZ	NORLITE SIEMENS	PO40808001FGMS VANSOLVNY-CP	004399710JJK 002264416JJK	INCINERATE RECYCLE	35,580 1,800	3,875		35,580 1,800	35,580 2,779	3,875
	5/10	2	HAZ WASTE SOLID	spent carbon	- 	HAZ	SIEMENS	VAN-VDMNY-CP	002264416JJK	RECYCLE	360			360	438	
02/0		1	NON-REGULATED	adsorber		HAZ	SIEMENS		002264416JJK	1.20.02	0		1,800	1,800	1,438	
02/0		1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0202100018-101	004399712JJK	INCINERATE	35,260	no spec grav given		35,260	35,260	no spec grav given
02/1		1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0209100014-101	004399836JJK	INCINERATE	35,460	3,883		35,460	35,460	3,883
02/1		1	HAZ WASTE SOLID	hydrazine hydrate, toluene spent carbon	Benzyl Carbazate	HAZ	NORLITE	PO040808001FGMS, J216100020-101	004399837JJK	INCINERATE	35,540	3,812		35,540	35,540	3,812
02/2		2	HAZ WASTE SOLID	spent carbon		HAZ HAZ	SIEMENS SIEMENS	VAN-CHEMNY-WW VAN-TETRNY-AF	002264417JJK 002264417JJK	RECYCLE RECYCLE	4,500 360			4,500 360	3,930 391	t
02/2			HAZ WASTE SOLID	spent carbon		HAZ	SIEMENS	VOIN-1E I I I I I I -AF	002264417JJK 002264417JJK	RECYCLE	180			180	231	
02/20		1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS	004399838JJK	INCINERATE	35,400	3,807		35,400	35,400	3,807
03/1:		1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0302100020-102	004399850JJK	INCINERATE	37,240	no spec grav given		37,240	37,240	4,062
03/19	~	1	WASTE FLAMMABLE LIQ HAZ WASTE SOLID	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGNS, J0302100020-102	004399849JJK	INCINERATE	36,500	no spec grav given		36,500	36,500	3,859
03/19			HAZ WASTE SOLID	spent carbon, w/ toluene spent carbon, w/chlorobenzene	 	HAZ HAZ	SIEMENS SIEMENS	VAN-CHEMNY-WW	002264418JJK	RECYCLE RECYCLE	4,500 1,800			4,500 1,800	4,059 2,798	
03/2			HAZ WASTE SOLID	Sperit carbort, Wernordbertzerte	 	HAZ	CLEAN HABOURS	VAN-SOLVNY-CP 1378178-1 SO#D227981881 LOAD 220543	002264418JJK 003711710JJK	INCINERATE	6,175			6,175	6,175	
03/25				sodium hydroxide		HAZ	CLEAN HABOURS	1453325	003711710JJK	TREATED	416		0	416	416	
03/25			NON-REGULATED	ptsi residue		NON	BRIDGEPORT		003718259JJK		0		10,394	10,394	10,394	
03/25			NON-REGULATED WASTE FLAMMABLE LIQ	waste oil acetone, toluene		NON	BRIDGEPORT	0926DLHN1	003718259JJK	III ON IED VEE	0		232	232	232	
03/25			WASTE FLAMMABLE LIQ	acetone, toluene		HAZ HAZ	NORLITE NORLITE	ST-0045-02 ST-0045-02	003681585JJK 003681585JJK	INCINERATE INCINERATE	8,595 1,713			8,595 1,713	8,595 1,713	
03/25		4	NON-REGULATED	benzyl alcohol		NON	NORLITE	ST-0043-02 ST-0397-03	003681585JJK	INCINCIONIC	1,713		1,612	1,612	1,612	
03/26			WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0302100020-103	004399848JJK	INCINERATE	36,340		, ,	36,340	36,340	36,340
04/01			WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0402100014-101	004399847JJK	INCINERATE	36,100			36,100	36,100	3,684
04/09			WASTE FLAMMABLE LIQ WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0416100010-101	004399846JJK	INCINERATE	35,300			35,300	35,300	3,729
05/11			HAZ WASTE SOLID	hydrazine hydrate, toluene spent carbon, w/chlorobenzene	Benzyl Carbazate	HAZ HAZ	NORLITE SIEMENS	PO40808001FGMS, J0409100011-101 VANCHEMNY-WW-44362	004399845JJK 002264419JJK	RECYCLE	27,120 13,500			27,120 13,500	27,120 12,730	2,885
05/11	/10		HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ	SIEMENS	VANVDMNY-AF-44413	002264419JJK	RECYCLE	180			180	166	
06/03			WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	ST-0045-02, J0520100121-101	006767816JJK	INCINERATE	9,485			9,485	9,485	
06/03			WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	ST-0045-02, J0520100121-101	006767816JJK	INCINERATE	826			1,826	1,826	
06/03			NON-REGULATED NON-REGULATED	ptsi residue : non-haz solids		NON	BRIDGEPORT	0928DN4, J0520100111-101 0927DN4, J0520100111-101	006767817JJK	 			1,818	1,818	1,818	· · · · · · · · · · · · · · · · · · ·
06/03			HAZ WASTE SOLID	THOTHAZ SOLIUS		NON HAZ	BRIDGEPORT CLEAN HABOURS		006767817JJK 003684281JJK	INCINERATE	5,299		772	772 5,299	772 5,299	
06/03		1	WASTE CORROSIVE LIQ	dodecanoyl chloride	Lauroyl Chloride	HAZ	CLEAN HABOURS		003684281JJK	INCINERATE	47			47	47	
			WASTE TOXIC BY INHALATION													
06/03			LIQ, FLAMMABLE NON-REGULATED	4-TFMPI, toluene	4-TFMPI	HAZ	CLEAN HABOURS	CH28671WTS	003684281JJK	INCINERATE	3,528			3,528	3,528	
06/08			WASTE FLAMMABLE LIQ	Filter bags Methanol, Toluene		NON HAZ	COVANTA NORLITE		37160 004733214JJK	INCINERATE	36,160	4,451	2,436	2,436 36,160	36,160	4,375
06/10			WASTE FLAMMABLE LIQ	Methanol, Toluene		HAZ	NORLITE		004733217JJK	INCINERATE	35,780	4,405		35,780	35,780	4,437
07/07			HAZ WASTE, SOLID			HAZ	SIEMENS	9A1-CHEMNY-WW	002264421JJK	RECYCLE	13,500			13,500	11,496	
08/17			HAZ WASTE, SOLID	Diphenyl Carbonate		HAZ	CLEAN HABOURS		003684178JJK	INCINERATE	596			596	596	
08/17/	10		HAZ WASTE, SOLID NON-REGULATED CHANGED			HAZ	CLEAN HABOURS	1378178-1 WTS37931	003684178JJK	INCINERATE	4,180			4,180	4,180	
08/17/	10			Phenyl Chloroformate Stillbottoms	3	HAZ	CLEAN HABOURS	1378189 WTS37931	003684178JJK]	3,666	3,666		3,666	3,666	
			-	Empty 15 gal plastic drum last		1 tr Viu	OLL III HADOUNG	13.5105 11105/301	0000041700010			5,000		- 5,555	0,000	
08/17/				contained Phenyl Chloroformate		HAZ	CLEAN HABOURS			INCINERATE	20			20	20	
08/17/				n,n-dimethylformamide		HAZ	NORLITE		003684179JJK	INCINERATE	1,512			1,512	1,512	
08/17/				acetone, toluene acetone, toluene			NORLITE			INCINERATE	1,322			1,322	1,322	
08/17/	$\overline{}$			ptsi residue			NORLITE BRIDGEPORT		003684179JJK 003684180JJK	INCINERATE	2,991		6,719	2,991 6,179	2,991 9,179	_
08/17/	10			non-haz solids		NON			003684180JJK	 			774	774	774	
08/17/				waste oil		NON	BRIDGEPORT	0926DLHN1 WTS37932	003684180JJK				317	317	317	
08/17/	10			ptsi residue		NON	BRIDGEPORT	0928DN4 WTS37932	003684180JJK	 			159	159	159	
08/17/	10		WASTE HYDRAZINE AQUEOUS SOLUTION				OLEAN MADOWE	AS A SOLDCED MESSAGE	000004404144	MONEGATE				7,	-	
08/17/			VASTE CORROSIVE LIQ							INCINERATE INCINERATE	75 5			75 5	75 5	
08/17/	-		WASTE, ACETALDEHYDE							INCINERATE	22			22	22	
		1 V	VASTE FLAMMABLE LIQ							INCINERATE	5			5	5	
08/17/																
08/17/	10	1 V	VASTE MERCURY			HAZ	CLEAN HABOURS	10-6,5 LCHG5 WTS37929	003684181JJK	RECYCLE	6			6	6	
<u></u>	10	1 V	VASTE MERCURY SOCYANATES, TOXIC HAZ WASTE, SOLID			HAZ HAZ	CLEAN HABOURS CLEAN HABOURS	10-6,5 LCHG5 WTS37929 10-4,6 LCCRC WTS37929	003684181JJK 003684181JJK		6 5 9,000			6 5 9,000	6 5 7,806	

													419.2945		
SHIP	QTY	WASTE DESCRIPTION A		VANDEMARKIRRODUG	PHAZIA (PROCESS	F JSDF	APEROVAL	STATE MANIFEST NUMBER	MEIHOD		HAZ WTIN	MONUAZ Wo	WEIGHTON	The second secon	REED:
DATE				Control of the second	WASTE TWASTE		S CODE	The second of th			GALLONS	िताःस्य 🐬			CALLICATE
09/08/10	1	HAZ WASTE, SOLID			HAZ	SIEMENS	VAN-SOLVNY-CP	002264420JJK	RECYCLE	1,800			1,800	2,945	
09/08/10	1	HAZ WASTE, SOLID	· '		HAZ	SIEMENS	VAN-TETRNY-AF	002264420JJK	RECYCLE	1,800			1,800	2,411	
09/08/10	1	HAZ WASTE, SOLID	ļ		HAZ	SIEMENS	VAN-VDMNY-AF	002264422JJK	RECYCLE	180	L		180	245	
09/08/10	1	HAZ WASTE, SOLID			HAZ	SIEMENS	VAN-BUSPNY-AF	002264422JJK	RECYCLE	180			180	221	
09/16/10	1	HAZ WASTE SOLID	spent carbon - toluene		HAZ	SIEMENS	VAN-CHEMNY-WW	002264423JJK	RECYCLE	4,500	L		4,500	_3,786	
09/16/10	1	HAZ WASTE SOLID	spent carbon - toluene	<u> </u>	HAZ	SIEMENS	VAN-TOLUNY-CP	002264423JJK	RECYCLE	1,800	<u> </u>		1,800	2,235	
10/07/10	15	NON REGULATED MATERIAL	FILTER BAGS	2-CMBSA	NON	HAZMAT ENVIRO GRP	7923NYDEC APPROVAL 08-107	10710							
11/02/10	22	HAZ WASTE, SOLID			HAZ	CLEAN HABOURS	1378178-1 - LOAD 224581	003684190JJK	INCINERATE	5,853			5,853	5,853	
11/02/10	1	WASTE CAUSTIC ALKALI LIQ	Sodium hydroxide		HAZ	CLEAN HABOURS	1453325, LOAD 224581	003684190JJK	TREATED	452			452	452	
11/02/10	2	WASTE XYLENES	ADI with xylene		HAZ	CLEAN HABOURS	CH30298WTS, LOAD 224581	003684190JJK	INCINERATE	1,032			1,032	1,032	
11/02/10	1	WASTE FLAMMABLE LIQ			HAZ	BRIDGEPORT	1598FD2HFB - WTS 38528	003684191JJK	INCINERATE	656			656_	656	
11/02/10	11	NON REGULATED MATERIAL			NON	BRIDGEPORT	0927DN4 - WTS 38528	003684191JJK				426	426	426	
11/02/10	9	NON REGULATED MATERIAL	ptsi residue		NON	BRIDGEPORT	0928DN4 - WTS 38528	003684191JJK				5,150	5,1 <u>50</u>	5,150	
11/02/10	26	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	J1001100129-101 WTS 38527	003684192JJK	INCINERATE	9,674			9,674	9,674	
11/02/10	23	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	J1001100129-101 WTS 38527	003684192JJK	INCINERATE	10,180			10,180	10,180	
11/02/10	4	HAZ WASTE	n,n-dimethylformamide		HAZ	NORLITE	J1001100129-101 WTS 38527	003684192JJK	INCINERATE	1,772			1,772	1,772	
11/02/10	4	HAZ WASTE SOLID	spent carbon		HAZ	SIEMENS	VAN-CHEMNY-WW-45933	002264424JJK	RECYCLE	18,000			18,000	15,263	
11/16/10	1	HAZ WASTE SOLID	spent carbon - chlorobenzene		HAZ	SIEMENS	VAN-CHEMNY-WW-46111	002264425JJK	RECYCLE	4,500			4,500	4,905	
11/16/10	11	HAZ WASTE SOLID	spent carbon - chlorobenzene		HAZ	SIEMENS	VAN-VDMNY-AF-46112	002264425JJK	RECYCLE	180			180	221	
12/17/10	1	BATTERIES						UNIV10-001							
12/28/10	11	FLAMMABLE LIQUID	hydrazine hydrate, toluene		HAZ	NORLITE	J1122100025-102	004399844JJK	INCINERATE	36,980	4,103		36,980	37,300	4,103
12/29/10	13	NON REGULATED MATERIAL	Filter bags	2-CMBSA	NON	HAZMAT ENVIRO GRP	7923NYDEC								
L															

794|952 HAZ Waste tons 397.481

LBS / SP GRAVITY / 8.34 = GALS

L = LANDFILL

B = INCINERATION

T = TREATED

R = RECYCLE

SHIP DATE	QTY			VANDEMARARROQUO	NON	DISPOSAL	GOSTS TRAIS	603773 12473	WASTE OFF SILUED Some of get	det Senned Bured of VS actigat
01/08/10	5	HAZ WASTE SOLID	spend carbon		HAZ					<u> </u>
01/08/10	1 2	HAZ WASTE SOLID	spend carbon	 	HAZ HAZ	 		 		
01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide	+	HAZ	\$281.00	\$224.00	\$61.92	1	
01/14/10	17	NON-REGULATED	ptsi residue	 	NON	\$2,865.00	\$0.00	\$0.00	15	<u> </u>
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435		HAZ	\$550.00	\$0.00			
01/14/10	39	HAZ WASTE SOLID			HAZ	\$7,000.00	\$2,255.00	\$180.40	39	
01/14/10	1 1	WASTE CORROSIVE LIQ	dodecanoyl chloride	Lauroyl Chloride	HAZ	\$545.00	\$0.00	\$0.00 \$0.00	1	
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ HAZ	\$0.00 \$3,172.00	\$0.00 \$952.00		32	
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene	 	HAZ	\$0.00	\$0.00		20	
01/14/10	12	WASTE	n,n-dimethylformamide		HAZ	\$732.00	\$0.00		12	
01/14/10	4	NON-REGULATED	teu & water		NON	\$244.00	\$0.00	\$0.00	4	
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$8,440.38	\$1,344.15	\$772.73	3,607	
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,290.97	\$1,317.90	\$678.68	3,701	
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,556.25	\$1,291.65	\$697.80	3,875	5 C
02/05/10	1 1	HAZ WASTE SOLID HAZ WASTE SOLID	spent carbon		HAZ		 			
02/05/10 02/05/10	1	NON-REGULATED	spent carbon adsorber		HAZ HAZ		 	 		
02/05/10	1 1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,669.05	\$1,329.30	\$708.92	35,260	0
02/03/10	1 1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,727.17	\$1,325.30	\$717.77	3,883	
02/19/10	1 1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,307.98	\$1,331.80	\$675.84	3,812	
02/25/10	1 1	HAZ WASTE SOLID	spent carbon	301,	HAZ	4,14				<u> </u>
02/25/10	2	HAZ WASTE SOLID	spent carbon		HAZ					
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ					
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,935.00	\$1,434.30	\$738.67	3,779	
03/12/10	1 1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$8,327.10	\$1,276.80	\$757.37	4,062	
03/19/10	1 1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$8,566.98	\$1,276.80	\$776.56	3,859	0
03/19/10	1 1	HAZ WASTE SOLID HAZ WASTE SOLID	spent carbon, w/ toluene spent carbon, w/chlorobenzene		HAZ HAZ		 			
03/19/10	22	HAZ WASTE SOLID	Spent carbon, woneropenzens		HAZ	\$3,850.00	\$1,265.00	\$101.20	6,175	0
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide	 	HAZ	\$245.00	***************************************		416	
03/25/10	18	NON-REGULATED	ptsi residue		NON	\$3,438.00	\$266.00	\$21.28	10,394	0
03/25/10	1	NON-REGULATED	waste oil		NON	\$61.00			232	
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		[<u> </u>
03/25/10 03/26/10	1 1	NON-REGULATED WASTE FLAMMABLE LIQ	benzyl alcohol	Benzyl Carbazate	NON HAZ	\$7,872.41	\$1,408.05	\$731.49	3,731	0
03/26/10	1 1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene hydrazine hydrate, toluene	Benzyl Carbazate Benzyl Carbazate	HAZ HAZ	\$7,872.41 \$7,441.68	\$1,408.05	\$731.49 \$686.53	3,731	4
04/07/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,830.90	\$1,200.20	\$719.77	3,729	
04/09/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$5,481.50	\$1,288.20	\$529.72	2,885	
05/11/10	3	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ					
05/11/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ					
06/03/10	25	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	\$1,525.00	\$350.00	\$150.00	2,025	
06/03/10	7	WASTE FLAMMABLE LIQ	acetone, toluene	·	HAZ	\$427.00	\$98.00	\$42.00	567	0
06/03/10	3	NON-REGULATED NON-REGULATED	ptsi residue non-haz solids		NON NON	\$573.00 \$382.00	\$42.00 \$28.00	\$48.08 \$114.08		ļ
06/03/10 06/03/10	18	HAZ WASTE SOLID	non-haz solios		NON HAZ	\$382,00 \$3,150,00	\$28.00	\$114.08 \$256.64		
06/03/10	18	WASTE CORROSIVE LIQ	dodecanoyl chloride	Lauroyl Chloride	HAZ	\$3,150.00	\$1,044.00	\$256.64		
00/50,		WASTE TOXIC BY INHALATION		Lauroyr ornonas	FIFE	Ψ11	¥	7		
06/03/10	9	LIQ, FLAMMABLE	4-TFMPI, toluene	4-TFMPI	HAZ	\$10,278.00	\$522.00	\$858.24		1
06/03/10	21	NON-REGULATED	Filter bags	2-CMBSA	NON	\$4,095.00	\$450.00	\$363.60		
06/08/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene		HAZ	\$2,625.00	\$1,146.62	\$301.72		
06/10/10	1 1	WASTE FLAMMABLE LIQ	Methanol, Toluene		HAZ	\$2,662.00	\$1,146.62	\$304.69		
07/07/10	3	HAZ WASTE, SOLID	Dishanul Carbanata		HAZ HAZ	;	 			
08/17/10 08/17/10	14	HAZ WASTE, SOLID HAZ WASTE, SOLID	Diphenyl Carbonate		HAZ		 			
00/1//10		NON-REGULATED CHANGED			I I I I		 			
08/17/10	8	TO HAZ	Phenyl Chloroformate Stillbottoms	S	HAZ	. !				l
			Empty 15 gal plastic drum last							ĺ
08/17/10	4	NON-REGULATED	contained Phenyl Chloroformate		HAZ					İ
08/17/10	4	WASTE	n,n-dimethylformamide		HAZ					Ī
08/17/10	5	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
08/17/10	10	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ NON			+		
08/17/10 08/17/10	12 3	NON-REGULATED NON-REGULATED	ptsi residue non-haz solids		NON			+		
08/17/10	1	NON-REGULATED	waste oil		NON					
08/17/10	1		ptsi residue		NON			+		
		WASTE HYDRAZINE AQUEOUS	ptortooleas							
08/17/10	1	SOLUTION			HAZ					l
08/17/10	1	WASTE CORROSIVE LIQ			HAZ					
08/17/10	1	WASTE, ACETALDEHYDE			HAZ					
08/17/10	1	WASTE FLAMMABLE LIQ			HAZ					
08/17/10	1	WASTE MERCURY			HAZ					
08/17/10	1	ISOCYANATES, TOXIC			HAZ					
09/08/10	2	HAZ WASTE, SOLID		<u> </u>	HAZ			L		

L = LANDFILL

B = INCINERATION
T = TREATED
R = RECYCLE

ΓY	DESCRIPTION	表。1970年1月1日 1月1日 1月1日 1月1日 1日 1日 1日 1日 1日 1日 1日 1日 1日 1日 1日 1日 1	OISPOSAL	TRANS	T/A/X	317735 314735	SEMMEN SEMMEN	R = F
l	HAZ WASTE, SOLID	HAZ						ĺ
1	HAZ WASTE SOLID	 HΔZ						1

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il irans	DEPOSAL	TRANS TAX	@#Y	(BEAMERN)
	GOSTAL OISPOSAL	<u> </u>	<u> </u>	IBIN BOXOF
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\$1,416.0	\$8,288.06	\$1,416.00 \$762.6	4	
 				
31 5282494764	3 \$156'607 4 33	\$28,494,64, \$13,22,118	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ω,	O BOOM SED		SZOROSINOS SUBZZINOS	\$208584600 \$10922311000

\$198,320.93

LBS / SP (

Q1 WASTE TAX

Q1 WASTI	E TAX _													
01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide		HAZ		BRIGEPORT	1598FD2HFB	003675435JJK	INCINERATE	246		246	246
01/14/10	39	HAZ WASTE SOLID			HAZ		CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	10,837		10,837	10,837
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride		HAZ		CLEAN HABOURS	CH26592WTS	003675439JJK	INCINERATE	407		407	407
01/14/10	1	HAZ WASTE SOLID			HAZ		CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	410		410	410
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	14,812		14,812	14,812
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	7,800		7,800	7,800
01/14/10	12	WASTE	n,n-dimethylformamide		HAZ		NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042		5,042	5,042
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808801FGMS, J0112100015-101	004731853JJK	INCINERATE	33,260		33,260	32,820
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, tòluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0119100020-101	004399709JJK	INCINERATE	35,500		35,500	35,500
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITÉ	PO40808001FGMS	004399710JJK	INCINERATE	25.500		25.500	25.500
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435	Carbazato	HAZ		CLEAN HABOURS	1408339	003675426JJK		35,580 1,260		35,580 1,260	35,580
02/03/10		TIPE WHOTE EIG	000010400		TIAZ.		CLEAN HABOURS	140003	DU3613426JJK	INCINERATE	1,260		1,260	1,260
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0202100018-101	004399712JJK	INCINERATE	35,260		35,260	35,260
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0209100014-101	004399836JJK	INCINERATE	35,460		35,460	35,460
02/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl - Carbazate	HAZ		NORLITE	PO040808001FGMS, J216100020-101			35,540		35,540	35,540
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS	004399838JJK		35,400		35,400	35,400
03/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	•	NORLITE	PO40808001FGMS, J0302100020-102	004399850.116	INCINERATE	37,240	-	37,240	37,240
03/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGNS, J0302100020-102			36,500		36,500	36,500
03/25/10	22	HAZ WASTE SOLID	Try diameter, polario	Curpulation	HAZ		CLEAN HABOURS	1378178-1 SO#D227981881 LOAD 220		 	6,175		6,175	6,175
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003681585JJK	INCINERATE	8,595		8,595	8,595
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene	 	HAZ		NORLITE	ST-0045-02	003681585JJK	 	1,713		1,713	1,713
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide	 	HAZ		CLEAN HABOURS	1453325	003711710JJK	TREATED	416	0	416	416
	· · ·			Benzyl				1 100020	0001111100010	TITLE	110		710	4,0
03/26/10	11	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Carbazate	HAZ		NORLITE	PO40808001FGMS, J0302100020-103	004399848JJK	INCINERATE	36,340		36,340	36,340
											413,793			
				<u> </u>	<u> </u>						206,90		<u> </u>	
01/08/10	5	HAZ WASTE SOLID	spend carbon .		HAZ		SIEMENS	VAN-CHEMNY-WW	002264415JJK	RECYCLE	22,500		22,500	18,843
01/08/10	1	HAZ WASTE SOLID	spend carbon	ļ.,	HAZ		SIEMENS	VAN-SOLVNY-CP	002264415JJK	RECYCLE	1,800	TE 11-11-11-11-11-11-11-11-11-11-11-11-11-	1,800	2,800
01/08/10	2	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-TOLUNY-CP	002264415JJK	RECYCLE	3,600		3,600	3,437
02/05/10	11	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VANSOLVNY-CP	002264416JJK	RECYCLE	1,800		1,800	2,779
02/05/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-VDMNY-CP	002264416JJK	RECYCLE	360		360	438
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-CHEMNY-WW	002264417JJK	RECYCLE	4,500		4,500	
02/25/10	2 .	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-TETRNY-AF	D02264417JJK	RECYCLE	360		360	
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS		002264417JJK	RECYCLE	180		180	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/ toluene		HAZ		SIEMENS	VAN-CHEMNY-WW	002264418JJK	RECYCLE	4,500		4,500	
03/19/10	11	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ		SIEMENS	VAN-SOLVNY-CP	002264418JJK	RECYCLE	1,800		1,800	
		<u> </u>	<u> </u>							<u> </u>	41,400			

								20,70	227.60		
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide	NON	CLEAN HABOURS	1453325	003711710JJK TREAT	TED 0	416	416	416
01/14/10	17	NON-REGULATED	ptsi residue	NON	BRIGEPORT	0928DN4	003675435JJK	0	9,134	9,134	7,874
01/14/10	4	NON-REGULATED	teu & water	NON	NORLITE	ST-0200-03	003675436JJK	0	1,424	1,424	1,424
02/05/10	1	NON-REGULATED	adsorber	HAZ	SIEMENS		002264416JJK	0	1,800	1,800	1,438
03/25/10	18	NON-REGULATED	ptsi residue	NON	BRIGEPORT	0928DN4 2	003718259JJK	0	10,394	10,394	
03/25/10	1	NON-REGULATED	waste oil	NON	BRIGEPORT	0926DLHN1	003718259JJK	0	232	232	
03/25/10	4	NON-REGULATED	benzyl alcohol	NON	NORLITE	ST-0397-03	003681585JJK		1,612	1,612	1,612

	Tons Waste	Estimated Yearly total
January	87	1038
February	74	966
March	67	910
April	49	831
May	7	681
June	46	659
July	2	567
August	7	507
September	10	464
October	0	417
November	26	408
December	18	392
Total	392	

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

QTY	WASTE DESCRIPTION		VANDEMARK PRODUC	NON C	DCESS BEN TSDF ASTE DE	APPROVAL CODE	STATE MANIFEST NUMBER	DISP METHOD	HAZ WT LBS	HAZ WT IN GALLONS	NON HAZ WT LBS	419.2945 SHIP WEIGHTS LBS	REC'D WEIGHTS LBS	REC'D WT IN GALLONS		TRANS	TAX	WASTE ORY BILLIED
	HAZ WASTE SOLID	spend carbon		HAZ	SIEMENS	VAN-CHEMNY-WW	002264415JJK	RECYCLE	22,500			22,500	18,843					i .un. 1999)
	HAZ WASTE SOLID	spend carbon spend carbon		HAZ HAZ	SIEMENS SIEMENS	VAN-SOLVNY-CP VAN-TOLUNY-CP	002264415JJK 002264415JJK	RECYCLE RECYCLE	1,800 3,600			1,800 3,600	2,800 3,437					
	FLAMMABLE LIQUID	toluene, sodium hydroxide		HAZ	BRIDGEPORT	1598FD2HFB	003675435JJK	INCINERATE	246			246	246	 	\$281.00	\$224.00	\$ 61.92	1
	NON-REGULATED	ptsi residue		NON	BRIGEPORT	0928DN4	003675435JJK		0		9,134	9,134	7,874		\$2,865.00	\$0.00	\$0.00	15
	HAZ WASTE LIQ HAZ WASTE SOLID	2 rejected drums from manifest 003675435	+	HAZ	CLEAN HABOURS	1408339 1378178-1	003675426JJK 003675439JJK	INCINERATE	1,260 10,837			1,260 10,837	1,260 10,837	 	\$550.00 \$7,000.00	\$0.00 \$2,255.00	\$0.00 \$180.40	39
) 1	WASTE CORROSIVE LIQ	dodecanoyl chloride	Lauroyl Chloride	HAZ	CLEAN HABOURS	CH26592WTS	003675439JJK	INCINERATE	407			407	407		\$545.00	\$0.00	\$0.00	1
	HAZ WASTE SOLID		<u> </u>	HAZ	CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	410			410	410		\$0.00	\$0.00	\$0.00	1
	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ HAZ	NORLITE NORLITE	ST-0045-02 ST-0045-02	003675436JJK 003675436JJK	INCINERATE	14,812 7,800			14,812 7,800	14,812 7,800	-	\$3,172.00 \$0.00	\$952.00 \$0.00	\$408.00 \$0.00	20
12	WASTE	n,n-dimethylformamide		HAZ	NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042			5,042	5,042		\$732.00	\$0.00	\$0.00	12
	NON-REGULATED WASTE FLAMMABLE LIQ	teu & water	Popul Companie	NON	NORLITE	ST-0200-03	003675436JJK	INCINEDATE	0 22.200	2.055	1,424	1,424	1,424	2.607	\$244.00	\$0.00	\$0.00	2 607
1	WASTE FLAMMABLE LIQ	hydrazine hydrate, totuene hydrazine hydrate, totuene	Benzyl Carbazate Benzyl Carbazate	HAZ HAZ	NORLITE NORLITE	PO40808801FGMS, J0112100015-101 PO40808001FGMS, J0119100020-101	004731853JJK 004399709JJK	INCINERATE	33,260 35,500	3,655 3,767		33,260 35,500	32,820 35,500	3,607	\$8,440.38 \$7,290.97	\$1,344.15 \$1,317.90	\$772.73 \$678.68	3,607 3,701
	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS	004399710JJK	INCINERATE	35,580	3,875		35,580	35,580	3,875	\$7,556.25	\$1,291.65	\$697.80	3,875
	HAZ WASTE SOLID HAZ WASTE SOLID	spent carbon		HAZ	SIEMENS	VANSOLVNY-CP	002264416JJK	RECYCLE	1,800			1,800	2,779	1	ļ			
1	NON-REGULATED	adsorber	+	HAZ HAZ	SIEMENS	VAN-VDMNY-CP	002264416JJK 002264416JJK	RECYCLE	360		1,800	360 1,800	1,438	 	 			
	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0202100018-101	004399712JJK	INCINERATE	35,260	no spec grav given	1,555	35,260	35,260	no spec grav given	\$7,669.05	\$1,329.30	\$708.92	35,260
) 1	WASTE FLAMMABLE LIQ WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene hydrazine hydrate, toluene	Benzyl Carbazate Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0209100014-101	004399836JJK	INCINERATE	35,460	3,883		35,460	35,460 35,540	3,883	\$7,727.17	\$1,381.80	\$717.77 \$675.84	3,883 3,812
	HAZ WASTE SOLID	spent carbon		HAZ HAZ	NORLITE SIEMENS	PO040808001FGMS, J216100020-101 VAN-CHEMNY-WW	004399837JJK 002264417JJK	RECYCLE	35,540 4,500	3,812		35,540 4.500	3,930	3,812	\$7,307.98	\$1,276.80	\$075.64	3,012
	HAZ WASTE SOLID	spent carbon		HAZ	SIEMENS	VAN-TETRNY-AF	002264417JJK	RECYCLE	360			360	391					
) 1	HAZ WASTE SOLID WASTE FLAMMABLE LIQ	spent carbon hydrazine hydrate, toluene	Benzyl Carbazate	HAZ HAZ	SIEMENS NORLITE	PO40808001FGMS	002264417JJK 004399838JJK	RECYCLE	180	3,807		180 35,400	231 35,400	3,807	\$7,935.00	\$1,434.30	\$738.67	3,779
1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS PO40808001FGMS, J0302100020-102	004399838JJK 004399850JJK	INCINERATE	35,400 37,240	no spec grav given		37,240	37,240	4,062	\$8,327.10	\$1,434.30 \$1,27 <u>6</u> .80	\$757.37	4,062
	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGNS, J0302100020-102	004399849JJK	INCINERATE	36,500	no spec grav given		36,500	36,500	3,859	\$8,566.98	\$1,276.80	\$776.56	3,859
	HAZ WASTE SOLID HAZ WASTE SOLID	spent carbon, w/ toluene spent carbon, w/chlorobenzene		HAZ	SIEMENS	VAN-CHEMNY-WW VAN-SOLVNY-CP	002264418JJK 002264418JJK	RECYCLE RECYCLE	4,500 1,800	 	\vdash	4,500 1,800	4,059 2,798	+	 			
22	HAZ WASTE SOLID			HAZ	_ CLEAN HABOURS	1378178-1 SO#D227981881 LOAD 22054	43003711710JJK	INCINERATE	6,175	L		6,175	6,175		\$3,850.00	\$1,265.00	\$101.20	6,175
	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide ptsi residue		NON NON	CLEAN HABOURS BRIDGEPORT	1453325 0928DN4 2	003711710JJK 003718259JJK	TREATED	416 0		10,394	416 10,394	416 10,394		\$245.00 \$3,438.00	\$266.00	\$21.28	416 10,394
1	NON-REGULATED	waste oil		NON	BRIDGEPORT	0926DLHN1	003718259JJK		0		232	232	232		\$5,438.00	φ2.00,00	ΨΖ1.Ζ0	232
	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	ST-0045-02	003681585JJK	INCINERATE	8,595			8,595	8,595 1,713					
	WASTE FLAMMABLE LIQ NON-REGULATED	acetone, toluene benzyl alcohol		HAZ NON	NORLITE NORLITE	ST-0045-02 ST-0397-03	003681585JJK 003681585JJK	INCINERATE	1,713		1,612	1,713 1,612	1,713	-				
1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	NORLITE	PO40808001FGMS, J0302100020-103	004399848JJK	INCINERATE	36,340		.,	36,340	36,340	36,340	\$7,872.41	\$1,408.05	\$731.49	3,731
	WASTE FLAMMABLE LIQ WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene hydrazine hydrate, toluene		HAZ HAZ	NORLITE NORLITE	PO40808001FGMS, J0402100014-101 PO40808001FGMS, J0416100010-101	004399847JJK 004399846JJK	INCINERATE INCINERATE	36,100 35,300			36,100 35,300	36,100 35,300	3,684 3,729	\$7,441.68 \$7,830.90	\$1,288.20 \$1,314.45	\$686.53 \$719.77	3,684 3,729
1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		HAZ	NORLITE	PO40808001FGMS, J0409100011-101	004399845JJK	INCINERATE	27,120			27,120	27,120	2,885	\$5,481.50	\$1,288.20	\$529.72	2,885
	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ	SIEMENS	VANCHEMNY-WW-44362	002264419JJK	RECYCLE	13,500			13,500	12,730					
	WASTE FLAMMABLE LIQ	spent carbon, w/chlorobenzene acetone, toluene		HAZ HAZ	SIEMENS NORLITE	VANVDMNY-AF-44413 ST-0045-02, J0520100121-101	002264419JJK 006767816JJK	RECYCLE INCINERATE	180 9,485	 		180 9,485	166 9,485	 	\$1,525.00	\$350.00	\$150.00	2,025
7	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	ST-0045-02, J0520100121-101	006767816JJK	INCINERATE	826			1,826	1,826		\$427.00	\$98.00	\$42.00	567
	NON-REGULATED NON-REGULATED	ptsi residue		NON	BRIDGEPORT	0928DN4, J0520100111-101	006767817JJK			<u> </u>	1,818	1,818	1,818		\$573.00 \$382.00	\$42.00	\$48.08 \$114.08	
	HAZ WASTE SOLID	non-haz solids		NON HAZ	BRIDGEPORT CLEAN HABOURS	0927DN4, J0520100111-101 1378178-1	006767817JJK 003684281JJK	INCINERATE	5,299	 	772	772 5,299	772 5,299	 	\$382.00 \$3,150.00	\$28,00 \$1,044.00	\$256.64	
	WASTE CORROSIVE LIQ	dodecanoyl chloride		HAZ	CLEAN HABOURS	CH26591WTS	003684281JJK	INCINERATE	47			47	47		\$172.00	\$58.00	\$55.52	
9	WASTE TOXIC BY INHALATION	4-TFMPI, toluene	4-TFMPI	HAZ	CLEAN HABOURS	CH28671WTS	003684281JJK	INCINERATE	3,528			3,528	3,528		\$10,278.00	\$522,00	\$858.24	
21	NON-REGULATED	Filter bags	2-CMBSA	NON	COVANTA	7923	37160				2,436	2,436			\$4,095.00	\$450.00	\$363.60	
	WASTE FLAMMABLE LIQ WASTE FLAMMABLE LIQ	Methanol, Toluene Methanol, Toluene		HAZ HAZ	NORLITE NORLITE	ST-0285-03, J0607100129-101 ST-0285-03, J0607100129-102	004733214JJK 004733217JJK	INCINERATE INCINERATE	36,160 35,780	4,451 4,405		36,160 35,780	36,160 35,780	4,375 4,437	\$2,625.00 \$2,662.00	\$1,146.62 \$1,146.62	\$301.72 \$304.69	
3	HAZ WASTE, SOLID			HAZ	SIEMENS	9A1-CHEMNY-WW	002264421JJK	RECYCLE	13,500	7,700		13,500	11,496	7,701	42,002.00	Ţ., I¬J.UZ	Ç00-1.03	
	HAZ WASTE, SOLID HAZ WASTE, SOLID	Diphenyl Carbonate		HAZ HAZ	CLEAN HABOURS	CH29866WTS WTS37931	003684178JJK	INCINERATE	596			596 4,180	596 4,180	ļ <u> </u>				
	NON-REGULATED CHANGED	Phenyl Chloroformate	+	DAZ	CLEAN HABOURS	1378178-1 WTS37931	003684178JJK	INCINERATE	4,180			4,180	4,180		 			
8	TO HAZ	Stillbottoms		HAZ	CLEAN HABOURS	1378189 WTS37931	003684178JJK		3,666	3,666		3,666	3,666					
4	NON-REGULATED	Empty 15 gal plastic drum last contained Phenyl Chloroformate	,	HAZ	CLEAN HABOURS	145338B WTS37931	003684178JJK	INCINERATE	20]	İ	20	20]	1		
4	WASTE	n,n-dimethylformamide		HAZ	NORLITE	ST-0102-02, WTS37933	003684179JJK	INCINERATE	1,512			1,512	1,512					
5	WASTE FLAMMABLE LIQ	acetone, toluene acetone, toluene	 	HAZ HAZ	NORLITE NORLITE	ST-0045-02 WTS37933 ST-0045-02 WTS37933	003684179JJK 003684179JJK	INCINERATE	1,322 2,991			1,322 2.991	1,322 2,991	 	 			
12	NON-REGULATED	ptsi residue		NON	BRIDGEPORT	0928DN4 WTS37932	003684180JJK	INCINERATE	2,001		6,719	6,179	9,179					
3	NON-REGULATED NON-REGULATED	non-haz solids		NON	BRIDGEPORT	0927DN4 WTS37932	003684180JJK				774	774	774	 				
	NON-REGULATED	waste oil ptsi residue		NON	BRIDGEPORT BRIDGEPORT	0926DLHN1 WTS37932 0928DN4 WTS37932	003684180JJK 003684180JJK	 -	<u> </u>		317 159	317 159	317 159	 	<u> </u>			
	WASTE HYDRAZINE AQUEOUS							1110111		1	i							
	SOLUTION WASTE CORROSIVE LIQ		 	HAZ HAZ	CLEAN HABOURS CLEAN HABOURS	10-1,30,LRCTB WTS37929 10-2,5,LCCRC WTS37929	003684181JJK 003684181JJK	INCINERATE	75 5			75 5	75 5	 	 			
1	WASTE, ACETALDEHYDE			HAZ	CLEAN HABOURS	10-3.5 LCCRD WTS37929	003684181JJK	INCINERATE	22			22	22					
	WASTE FLAMMABLE LIQ WASTE MERCURY			HAZ	CLEAN HABOURS CLEAN HABOURS	10-5,5,LCCRD WTS37929	003684181JJK	INCINERATE	5			5	5					
1	ISOCYANATES, TOXIC			HAZ HAZ	CLEAN HABOURS	10-6,5 LCHG5 WTS37929 10-4,6 LCCRC WTS37929	003684181JJK 003684181JJK	RECYCLE	6 5			<u> </u>	5					
2	HAZ WASTE, SOLID			HAZ	SIEMENS	CHEMNY-WW	002264420JJK	RECYCLE	9,000			9,000	7,806					
	HAZ WASTE, SOLID HAZ WASTE, SOLID			HAZ HAZ	SIEMENS SIEMENS	VAN-SOLVNY-CP VAN-TETRNY-AF	002264420JJK 002264420JJK	RECYCLE RECYCLE	1,800 1,800			1,800 1,800	2,945 2,411	 	 			
1	HAZ WASTE, SOLID			HAZ	SIEMENS	VAN-VDMNY-AF	002264422JJK	RECYCLE	180			180	245	ļ				
	HAZ WASTE, SOLID	anont anchor 4-tu		HAZ	SIEMENS	VAN-BUSPNY-AF	002264422JJK	RECYCLE	180			180	221					
	HAZ WASTE SOLID HAZ WASTE SOLID	spent carbon - toluene spent carbon - toluene		HAZ HAZ	SIEMENS	VAN-CHEMNY-WW VAN-TOLUNY-CP	002264423JJK 002264423JJK	RECYCLE RECYCLE	4,500 1,800			4,500 1,800	3,786 2,235	-				
15	NON REGULATED MATERIAL		2-CMBSA	NON	HAZMAT ENVIRO GRP	7923NYDEC APPROVAL 08-107	10710											
	HAZ WASTE, SOLID WASTE CAUSTIC ALKALI LIQ	Sodium hydrovide		HAZ HAZ	CLEAN HABOURS CLEAN HABOURS	1378178-1 - LOAD 224581 1453325, LOAD 224581	003684190JJK 003684190JJK	INCINERATE TREATED	5,853 452			5,853 452	5,853 452		 			
	WASTE XYLENES	ADI with xylene		HAZ	CLEAN HABOURS	CH30298WTS, LOAD 224581	003684190JJK	INCINERATE	452 1,032			1,032	1,032	<u> </u>				
	WASTE FLAMMABLE LIQ			HAZ	BRIDGEPORT	1598FD2HFB - WTS 38528	003684191JJK	INCINERATE	656		407	656	656					
1	NON REGULATED MATERIAL NON REGULATED MATERIAL	ptsi residue		NON NON	BRIDGEPORT BRIDGEPORT	0927DN4 - WTS 38528 0928DN4 - WTS 38528	003684191JJK 003684191JJK	-			426 5,150	426 5,150	426 5,150		 			
1		acetone, toluene		HAZ	NORLITE	J1001100129-101 WTS 38527	003684192JJK	INCINERATE	9,674		-,	9,674	9,674					
1 1 9 26	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	NORLITE	J1001100129-101 WTS 38527	003684192JJK	INCINERATE	10,180			10,180	10,180					
1 1 9 26 23	WASTE FLAMMABLE LIQ	n,n-dimethylformamide		HAZ HAZ	NORLITE	J1001100129-101 WTS 38527 VAN-CHEMNY-WW-45933	003684192JJK 002264424JJK	INCINERATE RECYCLE	1,772 18,000			1,772 18,000	1,772 15,263					
1 1 9 26 23 4 4	WASTE FLAMMABLE LIQ HAZ WASTE HAZ WASTE SOLID	spent carbon			SIEMENS	VAN-CHEMNY-WW-46111	002264425JJK	RECYCLE	4,500			4,500	4,905	I				
1 1 9 26 23 4 4	WASTE FLAMMABLE LIQ HAZ WASTE HAZ WASTE SOLID HAZ WASTE SOLID	spent carbon - chlorobenzene		HAZ														
1 1 9 26 23 4 4 1	WASTE FLAMMABLE LIQ HAZ WASTE HAZ WASTE SOLID HAZ WASTE SOLID HAZ WASTE SOLID			HAZ HAZ	SIEMENS	VAN-VDMNY-AF-46112	002264425JJK	RECYCLE	180			180	221					
1 1 9 26 23 4 1 1 1 1	WASTE FLAMMABLE LIQ HAZ WASTE HAZ WASTE SOLID HAZ WASTE SOLID HAZ WASTE SOLID BATTERIES FLAMMABLE LIQUID	spent carbon - chlorobenzene spent carbon - chlorobenzene hydrazine hydrate, toluene					002264425JJK UNIV10-001 004399844JJK	INCINERATE	180 36,980	4,103		180 36,980		4,103	\$8,288.06	\$1,416,00	\$762.64	
1 1 9 26 23 4 1 1 1 1	WASTE FLAMMABLE LIQ HAZ WASTE HAZ WASTE SOLID HAZ WASTE SOLID HAZ WASTE SOLID BATTERIES	spent carbon - chlorobenzene spent carbon - chlorobenzene hydrazine hydrate, toluene		HAZ	SIEMENS	VAN-VDMNY-AF-46112 J1122100025-102	UNIV10-001			4,103			221	4,103	\$8,288.06	\$1,416.00	\$762.64	
1 1 9 26 23 4 4 1 1 1 1 1 1 1 1	WASTE FLAMMABLE LIQ HAZ WASTE HAZ WASTE SOLID HAZ WASTE SOLID HAZ WASTE SOLID BATTERIES FLAMMABLE LIQUID NON REGULATED MATERIAL	spent carbon - chlorobenzene spent carbon - chlorobenzene hydrazine hydrate, toluene Filter bags	2-CMBSA	HAZ HAZ NON	SIEMENS NORLITE HAZMAT ENVIRO GRP	VAN-VDMNY-AF-46112 J1122100025-102	UNIV10-001 004399844JJK	INCINERATE		4,103	43,167		221	4,103		\$1,418,00 \$28,491.64 \$		

Q1 WASTE TAX

QTWASIE	= 144								·		·			
01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide		HAZ		BRIGEPORT	1598FD2HFB	003675435JJK	INCINERATE	246		246	246
01/14/10	39	HAZ WASTE SOLID			HAZ		CLEAN HABOU	1378178-1	003675439JJK	INCINERATE	10,837		10,837	10,837
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride		HAZ		CLEAN HABOU	CH26592WTS	003675439JJK	INCINERATE	407		407	407
01/14/10	1 .	HAZ WASTE SOLID			HAZ		CLEAN HABOU	1378178-1	003675439JJK	INCINERATE	410		410	410
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	14,812		14,812	14,812
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	7,800		7,800	7,800
01/14/10	12	WASTE	n,n-dimethylformamide		HAZ		NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042		5,042	5,042
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808801FG	004731853JJK	INCINERATE	33,260		33,260	32,820
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate Benzyl	HAZ		NORLITE	PO40808001FG	004399709JJK	INCINERATE	35,500		35,500	35,500
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene 2 rejected drums from manifest	Carbazate	HAZ		NORLITE	PO40808001FG	004399710JJK	INCINERATE	35,580		35,580	35,580
02/05/10	2	HAZ WASTE LIQ	003675435		HAZ	1	CLEAN HABOU	1408339	003675426JJK	INCINERATE	1,260		1,260	1,260
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001F GMS, J0202100018- 101	004399712JJK	INCINERATE	35,260		35,260	35,260
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001EC	004399836JJK	INCINERATE	35,460		35,460	35,460
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE		004399830JJK	INCINERATE	35,460		35,460	35,460
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE		004399838JJK	INCINERATE	35,400		35,400	35,400
		MACHE EL AMMAGUELLO		Benzyl										
03/12/10	1	WASTE FLAMMABLE LIQ WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Carbazate Benzyl Carbazate	HAZ		NORLITE NORLITE		004399850JJK 004399849JJK	INCINERATE	37,240 36,500		37,240	37,240
		HAZ WASTE SOLID	nydrazine nydrate, toldene	Carbazate		_					 		36,500	36,500
03/25/10	22	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ HAZ	-	CLEAN HABOU		003711710JJK	INCINERATE	6,175		6,175	6,175
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		 	-	NORLITE	ST-0045-02	003681585JJK	INCINERATE	8,595		8,595	8,595
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide		HAZ.	-	NORLITE	ST-0045-02	003681585JJK 003711710JJK	INCINERATE	1,713	_	1,713	1,713
03/25/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ HAZ		CLEAN HABOU NORLITE		004399848JJK	TREATED INCINERATE	416 36,340	0	416 36,340	416 36,340
- 50/20/10			1,,				HOKETE	7 040000011 0	004000010000	ATOMERATE.	00,040		30,540	00,040
											413,793	"		
											206.90			
01/08/10	5	HAZ WASTE SOLID	spend carbon		HAZ	_	SIEMENS	VAN-CHEMNY-	002264415JJK	RECYCLE	22,500		22,500	18,843
01/08/10	1	HAZ WASTE SOLID	spend carbon	1	HAZ		SIEMENS	VAN-SOLVNY-O	002264415JJK	RECYCLE	1,800		1,800	2,800
01/08/10	2	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-TOLUNY-0	002264415JJK	RECYCLE	3,600		3,600	3,437
02/05/10	1	HAZ WASTE SOLID	spent carbon		HAZ	_	SIEMENS	VANSOLVNY-C	1	RECYCLE	1,800		1,800	2,779
02/05/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-VDMNY- CP	002264416JJK	RECYCLE	360		360	438
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-CHEMNY-	002264417JJK	RECYCLE	4,500		4,500	
02/25/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-TETRNY-	002264417JJK	RECYCLE	360		360	
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS		002264417JJK	RECYCLE	180		180	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/ toluene		HAZ		SIEMENS	VAN-CHEMNY-	002264418JJK	RECYCLE	4,500		4,500	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ		SIEMENS	VAN-SOLVNY-0	002264418JJK	RECYCLE	1,800		1,800	
										 				<u> </u>
											41,400			
					<u> </u>	_				<u> </u>	20.70	227.60		<u></u>
					1									
03/25/10	11	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide	<u> </u>	NON		CLEAN HABOU		003711710JJK	TREATED	0	416	416	416
01/14/10	17	NON-REGULATED	ptsi residue	ļ	NON		BRIGEPORT	0928DN4	003675435JJK		٥	9,134	9,134	7,874
01/14/10	4	NON-REGULATED	teu & water		NON		NORLITE	ST-0200-03	003675436JJK		٥	1,424	1,424	1,424
02/05/10	1	NON-REGULATED	adsorber	1	HAZ		SIEMENS		002264415JJK	1	0	1,800	1,800	1,438

03/25/10	18	NON-REGULATED	ptsi residue	NON	BRIGEPORT	0928DN4 2	003718259JJK	0	10,394	10,394	
03/25/10	1	NON-REGULATED	waste oil	NON	 BRIGEPORT	0926DLHN1	003718259JJK	0	232	232	
03/25/10	4	NON-REGULATED	benzyl alcohol	NON	NORLITE	ST-0397-03	003681585JJK		1,612	1,612	1,612

Monthly su	mmary			
	Tons Wast	е	Estimated	Yearly total
January	87		1038	
February	74		966	
March	67		910	
April	49		831	
May	7		681	
June	46		659	
July	2		567	
August	7		507	
September	10		464	
October	0		417	
November	26		408	
December	18		392	
Total	392			

20116	TAZAK	טטנ	JS WASTE REPORT WO	KNOUEEI												470.619			
18 10 7	The state of	100			900 - 100 -	Type of waste	1.26	LINE PROPERTY.					S - 16.04	N 111/2/57	A AMERICA		S PERMI		
			A LIVASTE CALL		andemarkerod		TO	vi Wasie ideniliya			SIAIR	OISP	AZ N	1112	NON TAX	Melane V	WEG:16		
SHIP	Invoice	σĭ	DESCRIPTION:		91277		· NOV		S TSDF 19	APPROVAL		ACIVIE ITOD	100	GALLONS:	LBS	A TUBS	THE STATE OF		
DATE	DATE				t was		17.7	A Property of									S. C. C. Year	DMF	MCB
	373				29 drums Toluene	75% toluene from	Series Series		Antibodinary constitution				11.010			11,016	11,016	0	0
` ∪ 1/04/11	01/31/11	29	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	?	Benzyl Carb	HAZ	Process Cleanout	Norlite	J1119100086-101	003684199JJK	INCINERATE	11,016			11,016	11,010		
						95% toluene, Benzy Carb and/or	1									,	ļ		
01/04/11	01/31/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	4 Totes Toluene	Carbeaster material.	HAZ	Waste Toluene	Norlite	J1119100086-101	003684199JJK	INCINERATE	5,200			5,200	5,200	0	0
		<u> </u>			1 drum BZOH,						22222442244	INCINEDATE			346	346	346	o	0
01/04/11	01/31/11	1	NON REGULATED BENZYL ALCOHOL	ВZОН	BCF	BCF, 99% BZOH	NON	<u> </u>	Norlite	J1119100086-101	003684199JJK	INCINERATE	 		- 545	,			
						<2% toluene, water, Hydrazine hydrate								İ		ı	1		1
	1			HYDRAZINE HYDRATE,		and Hydrazine Hydro					004399843JJK	INCINEDATE	26,580	2.811	.	26,580	26,023	0	٥
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride.	HAZ	BZC-hydrazine	Norlite	J1122100025-103	004399843JJK	INCINERATE	26,380	2,011					,
01/04/11	01/31/11	9	NON REGULATED PTSI RESIDUE		PTSI, 9 drums	90% PTSA, 10% PTSI	NON		Bridgeport	J1119100087-101	003684198JJK				5,078	5,078	5,078	0	0
	0.701711	Ť			1 10.10 draine	10% MCB, high vac	1.1011						1		444	444	444	0	222
01/04/11	01/31/11	1	NON REGULATED (WASTE OIL)		1 drum waste oil	pump.	NON	Waste oil	Bridgeport		003684198JJK				- 444				
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	METHANOL HYDROCHLORIC ACID	1 drum Solvent Rag layer.	90% Methanol	HAZ	Process Cleanout	Bridgeport		003684198JJK	INCINERATE	476			476	476	0	0
01/04/11	01/31/11	†	VANOTE I ENIVIABLE LIQUID	METHANOETT BROOTEORIO ACID	itag layer.	No solvent, 50%	11172	1 Tobess Gloansat	Diagoport							j l	ļ	·	,
					1	ADI, 50% ADI	J			4070470 4	003684205JJK	INCINERATE	7,733			7,733	7,733	é	0
01/18/11	02/28/11 02/28/11		HAZ WASTE SOLID WASTE XYLENES	24 drums of Solids waste, ? ADI?		impurities. 90% Xylene	HAZ HAZ	ADI still bottoms ADI Xylene	Clean Harbors Clean Harbors	1378178-1 CH30298WTS	003684205JJK		703			703	1,032	Ú	0
31/10/11	02120111	+-	TO THE ATTEMENT	1701	 	95% Amide Chloride	, , , ,		- COUNT FIGURE						ı — — T	2 424	3,431	171.55	
01/18/11	02/28/11	11	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		5% DMF	HAZ	ACL	Clean Harbors	1393044	003684205JJK	INCINERATE	3,431			3,431	3,431	(81.03	
01/18/11	02/28/11		NON REGULATED PHCF	PHCF Still Bottom Toluene	Iso container clean out?	5% toluene, rest water?	NON	PhCF	Clean Harbors	1378189	003684205JJK	1			2,140	2,140	2,140	0	<u> </u>
01/18/11	02/20/11	+	NON REGULATED FRICE	PHOP Still Bottom Folderie	Jours	<2% toluene, water,	INON	111101	Olean Harbors	1070100						i l			
						Hydrazine hydrate									()	()	Į.		
04/00/44	00/07/44	١.	INVACTE EL AMMADI EL IOUID	HYDRAZINE HYDRATE,	D	and Hydrazine Hydro	1	BZC-hydrazine	Norlite	J112210026-101	004399842JJK	INCINERATE	35,178	3,700	1	35,140	35,178	0	. 0
01/20/11	02/07/11		WASTE FLAMMABLE LIQUID HAZARDOUS WASTE SOLID NOS	TOLUENE	Benzyl carbazate	chloride.	HAZ	BZG-riyurazine	SIEMENS	VAN-SOLVNY-CP	002264426JJK	RECYCLE	4,000			4,000	5,300	0	0
01/21/11			HAZARDOUS WASTE SOLID NOS		 		HAZ		SIEMENS	VAN-CHEMNY-WW		RECYCLE	9,000		 	9,000	7,689 2,630	0	0
01/21/11			HAZARDOUS WASTE SOLID NOS				HAZ		SIEMENS	VAN-TERTNY-CP	002264426JJK 476379??	RECYCLE	1,800		2,600	2,600	2,600	0	0
01/25/11	02/11/11	20	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	2-CMBSA dust <2% toluene, water,	NON		COVANTA	7923	47007011	HOMETOTIE						\$11.77	
l l						Hydrazine hydrate						1			1	1		The s	*
		ľ		HYDRAZINE HYDRATE,	L	and Hydrazine Hydro				14400400000 400	004399841JJK	INCINERATE	35,499	3,905		36,000	35,499	0	0_
01/27/11	02/07/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride. <2% toluene, water,	HAZ	BZC-hydrazine	Norlite	J1122100026-102	0043990413310	INCINCIONIE	00,400	- 0,000					
						Hydrazine hydrate]		J		j	ļ)			1	ļ		
				HYDRAZINE HYDRATE,		and Hydrazine Hydro				14400400000 400	004398562JJK	INCINEDATE	35,757	3,828		35,800	35,757	0	6
02/03/11	02/21/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride. <2% toluene, water,	HAZ	BZC-hydrazine	Norlite	J1122100026-102	004396562JJK	INCINCIONIE	33,757	0,020					-
		1				Hydrazine hydrate	ł					1				1	}		
				HYDRAZINE HYDRATE,		and Hydrazine Hydro				14400400000 402	004399840JJK	INCINERATE	37,782	3,872		37,660	. 37,782	0	A. O .
02/10/11	02/28/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride.	HAZ	BZC-hydrazine	Norlite	J1122100026-103	0043996403310	HONEIGHE	07,702						
02/17/11		1	HAZ WASTE SOLID	SPENT CARBON - ISOPROPANOL		IPOH	HAZ		SIEMENS	VAN-LCKPNY-WW	002264427JJK	RECYCLE	4,500		ļ	4,500	3,346	0	0
02/17/11			HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE			HAZ		SIEMENS	VAN-CHEMNY-WW	002264427JJK	RECYCLE	4500		 	4,500	3,513		
						<2% toluene, water,]			1	j	•	1 1
				HYDRAZINE HYDRATE,		Hydrazine hydrate and Hydrazine Hydro								•			.7.000	ا م	0
02/17/11	02/28/11	1		TOLUENE	Benzyl carbazate	chloride.	HAZ	BZC-hydrazine	Norlite	J1122100026-103	004398561JJK	INCINERATE	37,282	3,956	 	37,660	37,282	- 9	 -
-						<2% toluene, water,							·		1 1	1	}		1
				HYDRAZINE HYDRATE,		Hydrazine hydrate and Hydrazine Hydro			*							1	44.570	o	ا م
02/24/11	03/16/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride.	HAZ	BZC-hydrazine	Norlite	J1122100027-102	004399839JJK		41576	4,532	1,950	41,980 1,950	41,576 1,950	0	0
03/11/11	04/28/11	15	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS			NON		COVANTA		NYD982792814	 	 		1,950	1,930	1,000		
03/24/11	05/11/11	16	NON REGULATED MATERIAL	PTSI RESIDUE		90% PTSA, 10% PTSI	NON	-	Bridgeport	J0308110137-101	003684212JJK				9,568	9,588	9,568	0	0
03/24/11	03/11/11			TOTALOIDOL	,	75% toluene from	IVOIV		Bridgoport				2.422			9,499	9,499	ا ه	
03/24/11	04/28/11	23	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	23 drums		HAZ	Waste Toluene	Norlite	J0308110137-101	008344565JJK	INCINERATE	9499			9,499	- 5,455		
03/24/11	04/28/11	40	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	19 drums	75% toluene from Benzyl Carb	HAZ	Waste Toluene	Norlite	J0308110137-101	008344565JJK	INCINERATE	7847			7,847	7,847	0	
03/24/11	04/20/11	19	WASTE FLAWIWABLE EIQUID	ACETONE, TOLUENE		95% toluene, Benzyl	nav.	VVaste Toluche	Nonite	00000110101						{	I	` +	
				<u> </u>		Carb and/or				Ingon/1010= 101	008344565JJK	INCINEDATE	6598		[6,598	6,598	0	0
03/24/11	04/28/11	_4	WASTE FLAMMABLE LIQUID			Carbeaster material.	HAZ	Waste Toluene	Norlite	J0308110137-101	UU8344565JJK	INCINERATE	0330						
14/11	04/28/11	,	NON REGULATED MATERIAL		(2) drums PNBC off spec? Rag?	90% PNBC	NON		Norlite	J0308110137-101	008344565JJK				846	846	846	0	0
				BENZYL ALCOHOL			NON		Norlite	J0308110137-101	008344565JJK				1,083	1,083 850	1,083 850	0	0
03/24/11	04/28/11	1	NON REGULATED MATERIAL	BENZYL ALCOHOL	1 totes	BCF, 99% BZOH	NON		11111111	J0308110137-101	008344565JJK 008344566JJK	INCINEDATE	4	 	850	850	4	0	0
	06/09/11		WASTE CORROSIVE LIQUID				HAZ		Clean Harbors Clean Harbors		008344566JJK		27			27	27	0	0
	06/09/11 06/09/11		WASTE FLAMMABLE LIQUID WASTE AMINE, LIQUID CORROSIVE				HAZ HAZ		Clean Harbors		008344566JJK	INCINERATE	40			40	40	0	. 0
	06/09/11		CORROSIVE LIQUID, ACIDIC				HAZ		Clean Harbors		008344566JJK		4		 	4 15	4 15	9	0
	06/09/11		TOXIC SOLIDS, ORGANIC				HAZ		Clean Harbors		008344566JJK	NONE	15	L		1	10		

#1000000000000000000000000000000000000																470.619			
SHIP	Invoice	QTY	WASTE S-DESCRIPTION	V.	ANDEMARATROD	Type of waste comment PAA	UIAZI NONE	WesterCeally.	TSDF	AFFROVAL GODE	EN STATE	DSP Mathod	(100) (100)	002 % 5 Wind	NONTIAZ Wii	giii? Weinig :	RECID Weights		
PUDATE		1								CODE	NUMBER		IVES	CALLONS		UBS	_ LES ·v		
). 23/24/11	06/06/11	1	TOXIC LIQUIDS ORGANIC	METHYLOG	R&D	Lab pack	HAZ		Clean Harbors		008344566JJK		20			20	20	1 3	- 4
24/11	05/11/11	1_1_	WASTE POISON INHALATION	METHYL CF	1	99% MCF 10% BZOH, 50%	HAZ		Clean Harbors		008344584JJK	NONE	40			40	40	0	<u> </u>
					CLEAN out	H20, 40% NAOH 5%												1	
03/24/11	05/11/11	2	WASTE FLAMMABLE LIQUIDS	ACETONE, SODIUM HYDROXIDE		solution	HAZ		Clean Harbors		008344584JJK	INCINERATE	405			405	405	0	. §
03/24/11	05/11/11	1	WASTE TOXIC SOLIDS	TRIPHOSGENE	R&D	Triphosgene	HAZ		Clean Harbors		008344584JJK	INCINERATE	78			78	78	5	Û
		l			Potentially Pt-16		l												
03/24/11	05/11/11	17	HAZARDOUS WASTE SOLID NOS	??	waste	ST-25 waste 95% Amide Chloride	HAZ	<u> </u>	Clean Harbors		008344584JJK	INCINERATE	5899			5,899	5,899	U J	<u> </u>
03/24/11	05/11/11	2	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		5% DMF	HAZ	ACL	Clean Harbors		008344584JJK	INCINERATE	800			800	800	3D ·	zi)
03/24/11	05/11/11		HAZARDOUS WASTE SOLID NOS	THIS COLLEGE	 	070 21111	HAZ	/ CE	Clean Harbors	 	008344584JJK	INCINERATE	496			496	496	1 - 6 -	
04/07/11		3	HAZARDOUS WASTE SOLID NOS			<u> </u>	HAZ		SIEMENS	VAN-CHEMNY-WW	002264428JJK	RECYCLE	13500			13,500	11,510	0	0
04/07/11			HAZARDOUS WASTE SOLID NOS				HAZ		SIEMENS		002264428JJK	RECYCLE	4800			4,800	4,497	0	0
04/29/11	05/20/11	27	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS	2-CMBSI	2-CMBSI	NON		COVANTA	7923	491274	INCINERATE			3,510	3,510	3,510	0	0
05/06/11	07/12/11		 WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	2222	Carbeaster, 80% MeOH		Carbanatas	At . 125 -	070005 00	008059931JJK	INCINEDATE	20500	4.004		26 560	36,560		
05/10/11	- 01/12/11	1	TOLUENE, PRODUCT	TOLUENE	1111	INICOL	HAZ PROD	Carbaester CARB RECYCLE	Norlite	ST0285-03	000009991JJK	INCINERATE	36560	4,331	46,660	36,560	30,300	0	- 0
05/17/11		<u> </u>	HAZ WASTE SOLID	SPENT CARBON TOLUENE		 	HAZ	OF IND INCOTOLE	SIEMENS	VAN-CHEMNY-WW	002264429JJK	RECYCLE	13500		.0,000	13,500	14,016	0	0
05/17/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE			HAZ		SIEMENS	VAN-SOLVNY-CP	002264429JJK	RECYCLE	1500			1,500	2,335	0	0
05/17/11		1	HAZ WASTE SOLID	SPENT CARBON - HEPTANE			HAZ		SIEMENS	VAN-TETRNY-CP	002264429JJK	RECYCLE	1510			1,510	2,174	0	0
05/17/14	06/07/44	,	WASTE FLAMMABLE LIQUIDS	METHANOL TOLLIENS	Carbat	Carbeaster, 80%		Carbasster	N .02		0000500551115	MONTERATE	00710	0.000		20.000	20.744		
05/17/11 05/18/11	06/27/11	1	NON REGULATED MATERIAL	METHANOL, TOLUENE FILTER BAGS W/ 2CMBSA	Carbeaster 2-CMBSI	MeOH 2-CMBSI	HAZ NON	Carbaester	Norlite CONVANTA	08 107	008059929JJK NYD175773779	INCINERATE	30719	3,906	1,690	30,800 1,690	30,719 1,690	0	0 0
33/10/11	00/20/11	13	TOTAL NEGODITED WATERIAL	TILLET BAGG WI ZOWIDGA	WHY VDM? NOT	WHY VDM? NOT	NON		CONVANTA	08-107	MIDIIOIIA	INCINERATE			1,080	1,080	1,080		
05/18/11	06/29/11	3	NON REGULATED MATERIAL	COAL TAR	SNPE?	SNPE?	NON		CONVANTA	08-107	NYD175773779	INCINERATE			4,500	4,500	4,500	0	0
							1	<u> </u>	1								·		
		l	EXTRA BILLINGJUST TO TRACK		}	1		1			1					1			
 			COST.		Rejected 548							ļ	0			<u> </u>		0	. 0
05/24/11	9/2011 + 07/	1	WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	gallons	Rejected 548 gallons	НА	Process Cleanout	Norlite	J0513110048-101	008059927JJK	INCINERATE	39540	5,285		43,640	39,540		
05/27/11	06/27/11	1	NON REGULATED MATERIAL	NON HAZ SOLIDS	ga	Trojectou e le gallerie	NON	Treeses Gisanicat	Bridgeport	00010110040 101	008348663JJK	III OII LIGHT	00010	0,200	578	578	578	o l	0
05/27/11	06/27/11	4	NON REGULATED MATERIAL	PTSI RESIDUE		 	NON		Bridgeport	 	008348663JJK				2,360	2,360	2,360	0	0
05/27/11	06/27/11		NON REGULATED MATERIAL	WASTE OIL			NON	Waste oil	Bridgeport		008348663JJK				193	193	193	0.	96.5
05/27/11	06/27/11			ACETONE TOLUENE	?	75 tol	HAZ	Waste Toluene	Norlite	ST0045-02	008348665JJK		11600			11,600	11,600	0 , .	0.
	06/27/11 06/27/11		WASTE	ACETONE TOLUENE N,N-DIMETHYLFORMAMIDE	95%	76 tol	HAZ HAZ	Waste Toluene Waste DMF	Norlite	ST0045-02	008348665JJK 008348665JJK	INCINERATE	4675 1444			4,675 1,444	4,675 1,444	1444	* * O
05/27/11	06/27/11		WASTE FLAMMABLE LIQUID	TOLUENE, DIETHYLAMINE	HEGCL	HEGCL, 50 tol	HAZ	HEGCL		ST-0102-02 ST-0148-02	008348665JJK	INCINERATE	666			666	666	0	0
						LAB non Reactive	10.42		Home	01 01 10 02	000010000011								
06/03/11	07/18/11		WASTE FLAMMABLE LIQUID	TOLUENE, METHANOL	waste	waste	HAZ		Clean Harbors	658565	008348647JJK	INCINERATE	679			679	679	U.	,i le
06/03/11	07/18/11		HAZ WASTE SOLID	CDHI solids?	CHDI?	CHDI?	HAZ		Clean Harbors	1378178-1	008348647JJK	INCINERATE	4542			4542	4,542	0	9
06/03/11 06/03/11	07/18/11 07/18/11		WASTE TOXIC SOLIDS WASTE TOXIC SOLIDS	1,4 CYCLOHEXANDE DIISOCYANATE 1,4 CYCLOHEXANDE DIISOCYANATE	CHDI?	CHDI?	HAZ			CH31578WTS	008348647JJK	INCINERATE	614 2123			614	614	0	Ø .
06/06/11	07710711	1		SPENT CARBON - CHLOROBENZENE	CHDI7	CHDIT	HAZ		Clean Harbors SIEMENS	VAN-CHEMNY-WW	008348647JJK 002264430JJK	INCINERATE RECYCLE	4500			2123 4,500	2,123 3,621	0	- ŏ-
06/06/11		2		SPENT CARBON - CHLOROBENZENE			HAZ	<u> </u>		VAN-VDMNY-AF	002264430JJK	RECYCLE	360			360	564	ō	0
						Carbeaster, 80%													
06/06/11	07/06/11	1		TOLUENE, METHANOL							008059219JJK		26121	2,900		26,121	26,121	0	0
06/23/11	08/08/11	1		TOLUENE	Benzyl carbazate	Benzyl carbazate		· · · · · · · · · · · · · · · · · · ·	Norlite		004399711JJK		26023	2,786		27,040	26,023	0	0
07/01/11 07/01/11				SPENT CARBON - CHLOROBENZENE SPENT CARBON - CHLOROBENZENE			HAZ HAZ		SIEMENS SIEMENS	VAN-SOLVYNY-CP VAN-CHEMNY-WW			1800 9000	···			1,914 7,606	0	0
37,51,71		-				<2% toluene, water,	1174		OILHILI13	A VIA-OLIEIAIN I -AAAA	ACCI CHECASOS	, LEGIOLE	2007				7,000		
. [ĺ	- 1				Hydrazine hydrate							[· [ſ
		.		HYDRAZINE HYDRATE,		and Hydrazine Hydro													_
07/01/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride. <2% toluene. water.	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399713JJK	INCINERATE	35463			35,720	35,463	0	
					1	Hydrazine hydrate]]	1	1)	.]	. }
1				HYDRAZINE HYDRATE,		and Hydrazine Hydro									I				
07/07/11	08/08/11	1			Benzyl carbazate	chloride.		BZC-hydrazine	Norlite	P04080800FGMS	004399714JJK	INCINERATE	34511	_		35,080	34,511	0	0
						<2% toluene, water,									-				,
IJĴ	J			UVDDAZINE UVDDATE	ļ	Hydrazine hydrate]		J	J		J]
07/14/11		1		HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	and Hydrazine Hydro	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399715JJK	INCINERATE	34318			33,360	34,318	0	
7,,,,,,,,				, OLULING		<2% toluene, water,	HAL	D20-nyurazine	MOTHE	r v4vovouUrGW3	0040991 1900K	MOINLICATE	343 (0			33,360	34,310		
		1				Hydrazine hydrate													
	ļ			HYDRAZINE HYDRATE,		and Hydrazine Hydro									ļ	1			
07/19/11		1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate		HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399716JJK	INCINERATE	41744			41,760	41,744	0	
						<2% toluene, water, Hydrazine hydrate													
				HYDRAZINE HYDRATE,		and Hydrazine Hydro		İ									[,
21/11		1			Benzyl carbazate		HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399717JJK	INCINERATE	40862	ļ		41,760	40,862	0	0
∪ //27/11			AZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	?					ST0045-02	008344312JJK	INCINERATE	9272			9,272	9,272	0	0
07/27/11				ACETONE, TOLUENE	?	?	HAZ	Waste Toluene	Norlite	ST0045-02	008344312JJK	INCINERATE	8627			8,627	8,627	.0	0
07/27/11		1	AZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	?	?	HAZ		Norlite	ST-0151-03	008344312JJK	INCINERATE	568			568	568	0	0
07/27/11	J	ا ۾	AZARDOUS FLAMMABLE LIQUID	TOLUENE HYDROCHLORIC ACID	J].		Masta Diar	Dalabasa s	005050750	000244045 1 115	INCINEDATE	270	ļ	J	270	270	220	١ 🗼
07/27/11					PTSI		HAZ NON			2258ESTD2L J0630110106-101	008344313JJK	INCINERATE	376		8,625	376 8,625	376 8,625	376	0
1 01/2//11	L		TOTAL TENANCE I	-0	101	1 1 21	NON		Diragehore	20020110100-101	7003443 13331	L	1.		0,020	0,023	0,020		

											,					470.619			
SHIP DATE	Invoice Q	M	WASTE TO SCRIPTION	100 M 100 M	NDEMARK PROD	Type of waste comment PAA	(#ZYZ) INON			AVARRROVAL CODE	STATE MANIFEST ANUMBER	oisp Mailtod	COZ Wia UBS	CAZ WOND GALLONS	NONHAZ Wi Wi	SMP W álgins Leis	REGID Weighis UBS		
. ^~'27/11	3	F	IAZARDOUS WASTE SOLID NOS		DBAD	DBAD	HAZ		Clean Harbors	CH26408WTS	008333371JJK	INCINERATE	984			984	984	3	
:7/11	1	7 F	IAZARDOUS WASTE SOLID NOS	???	7??	???	HAZ		Clean Harbors	1378178-1	008344578JJK	INCINERATE	4542			4,542	4,542	ý .	\$
07/27/11	4	ı F	AZARDOUS WASTE SOLID NOS	TOLUENE, METHANOL	LAB non Reactive waste	LAB non Reactive waste	HAZ	Process Cleanout	Clean Harbors	658565	008344578JJK	INCINERATE	1836			1,836	1,836	(j	Ÿ
07/27/11	3	1.	AZARDOUS FLAMMABLE LIQUID	ACETONE/HCL ACID	Mixed non reactive solvents.	Mixed non reactive solvents.	HAZ	Process Cleanout		1419718	008344578JJK		1204			1,204	1,204	<u> </u>	<u>ei</u>
07/27/11			VASTE ISOCYANATE SOLUTIONS	CHDI/PTSI pre-cut.	4.7-2-2-27		HAZ	PTSI	Clean Harbors	1318824	008344578JJK		1668			1,668	1,668	<u> </u>	1695E
07/27/11		V	VASTE ISOCYANATE SOLUTIONS	CHDI/PTSI pre-cut.	OVERPACK	OVERPACK	HAZ	PTSI	Clean Harbors	1318824	008344578JJK	INCINERATE	88			88	88	Ð	2.5
07/28/11	1	Н	IAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	l .	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride. <2% toluene, water, Hydrazine hydrate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399718JJK	INCINERATE	38677				38,677	0	0
08/04/11	1	Н	IAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE		and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399719JJK	INCINERATE	35336				35,336	0	0
				HYDRAZINE HYDRATE,		<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro												_	
08/08/11			AZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate		HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399720JJK		34673	3,712			34,673	0	0
08/10/11			AZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE	ļ		HAZ	ļ <u> </u>	SIEMENS	VAN-CHEMNY-WW			9000					0	0
08/10/11			AARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE	David Control		HAZ	 	SIEMENS	VAN-VDMNY-AF	002264432JJK	<u> </u>	180				20.050	0	0
08/11/11		Н	AZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	•	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	008348632JJK	INCINERATE	36256	3,952			36,256		0
08/31/11	1	Н	AZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	waste	LAB non Reactive waste LAB non Reactive	HAZ	Process Cleanout	Clean Harbors	658565	008343176JJK	INCINERATE	453			453	453	Ç.	<u>.</u>
08/31/11	4	Н	AZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL		waste	HAZ	Process Cleanout	Clean Harbors	658565	008343176JJK	INCINERATE	1473			1,473	1,473	اره	U

AND SHEET SHEET SHEET SHEET	· Promotion				Type of waste	10-6-10-3	The second second		e Berneral Reserve	A STATE OF THE PARTY OF THE PAR		e e vera de la receis		NAMES AND ASSOCIATION	470.619	1-1-1-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1	
		A CHARGE TO A CONTROL OF THE CONTROL		Andenarkaekod	comment PAA	1000	A Weselfently		1	37.4	ngo T	11.00	No. of the	Manuel No.		A 13 3 0 0 1 1 1		
P	OTV	an Escelption					Action (West	A Control	APPROVAL:	MANUES	METHOD		2 Swin in A		WEIGHG	Wagins .	1	
Invoice		DESCRIPTION							000	NUMBER		in ref	CATHONS		a direction	ing.		
11	2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	100		HAZ		SIEMENS	VAN-CHEMNY-WW	002264433JJK		7940		3,00	9,000	7,940	0	1
/11		HAZARDOUS WASTE SOLID NOS	SPENT CARON - CHLOROBENZENE	 		HAZ		SIEMENS	VAN-SOLVNY-CP			269			1,800	269	0	1
111		NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	2-CMBSI	NON		COVANTA						3,510	3,510	3,510	0	
					Carbeaster, 80%											1		1
2/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	MeOH	HAZ	Carbaester	Norlite		008055839JJK	INCINERATE	39999	4,441			39,999	l o	
2/11	1	TOLUENE, PRODUCT	TOLUENE	Toluene	Toluene	PROD	Waste Toluene	KODAK									0	
					Carbeaster, 80%										7			
7/11		HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	MeOH	HAZ	Carbaester	Norlite		008055840JJK		36101	4,008		36,660	36,101	0	
/11		HAZARDOUS WASTE SOLID NOS	SPENT CARBON			HAZ		SIEMENS	VAN-CHEMNY-WW		RECYCLE	8040			9,000	8,040	0	
'11	10	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	PTSI	NON		Bridgeport	J0630110106-101	008344321JJK				5,927	5,927		0	-
11	1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE			HAZ		SIEMENS	VAN-CHEMNY-WW		RECYCLE	3990				3,990	0	
/11	17	HAZARDOUS WASTE SOLID NOS	DMF W/ MIXED SOLVENTS	???	???	HAZ	ACL	Norlite	J0906110091-101	008344322JJK		6638				6,638	331.9	
		LIAZADDOLIO MAOTE COLID MOO	Waste flammables	Des accorded to the second	D			A1 171	07.0047.00	0000440001116	WOWEDATE	04007				04.007	1 .	
/11	51	HAZARDOUS WASTE SOLID NOS	(acetone/tolunene)	Process cleanout	Process cleanout	HAZ		Norlite	ST-0045-02	008344322JJK	INCINERATE	21927				21,927	0	
/11	1	HAZARDOUS FLAMMABLE LIQUID	Waste Caustic	- 		HAZ		Norlite	07.0454.00	000000000000000000000000000000000000000	INCINEDATE	00500				40.000	0	
/11	41	HAZARDOUS FLAMMABLE LIQUID	AQUEOUS TANK SLUDGE			HAZ		Norlite	ST-0151-03	003683635JJK	INCINERATE	20500	·			18,000	0	
44		HAZARDOUS FLAMMABLE LIQUID	Waste flammables (acetone/tolunene)			HAZ	Waste Toluene	Norlite	ST-0045-02	003683635JJK	INCINERATE	343				343		
11	1 1	HAZARDOUS FLAMMABLE LIQUID	Waste flammables (DMF))	DMF, toluene	DMF, toluene	HAZ HAZ	Waste DMF	Norlite	ST-0045-02 ST-0233-02	003683635JJK		1899				1,899	1899	+
/11	- 4	HAZARDOGS FLAWWABLE EIGOID	Waste flammables	DWI , tolderie	Divir, toldene	ITAL	VVaste Divit	Nonite	31-0233-02	003003033331	INCINERATE	1099				1,099	1035	-
i/11	11	HAZARDOUS FLAMMABLE LIQUID	(acetone/tolunene)			HAZ	Waste Toluene	Norlite	ST-0045-02	003683635JJK	INCINERATE	4351				4,351	ه ا	
/11		NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	PTSI	NON	- Vidoto Fordorio	Bridgeport	003683636JJK	10101110054-1		7001		1,247		1,247	0	+
/11	1	NON REGULATED MATERIAL	PTSI RESIDUE	Bag filters	Bag filters	NON		Clean Harbors	000000000000000000000000000000000000000	10101110001	1			450		450	9	
		THOM (TENDER)	TOTALONDOL		WASTE WATER	-		Olean Harbors	<u> </u>					100		100	<u> </u>	+
/11	3	HAZARDOUS WASTE SOLID NOS	TOLUENE SPENT CARBON	TREATMENT	TREATMENT	HAZ		SIEMENS	VAN-CHEMNY-CP	002264438JJK	RECYCLE	13500				11,702	0	
	 			ACID		 	-											1-
/11	2	HAZARDOUS WASTE SOLID NOS	CHLOROBENZENE SPENT CARB	TREATMENT	ACID TREATMENT	HAZ		SIEMENS	VAN-SOLVNY-CP	002264438JJK	RECYCLE	9000				4,565	0	1
				ACID		<u> </u>												1
/11	3	HAZARDOUS WASTE SOLID NOS	CHLOROBENZENE SPENT CARB	TREATMENT	ACID TREATMENT	HAZ		SIEMENS	VAN-SOLVNY-CP	002264438JJK	RECYCLE	2000				750	0	1 .
	<u> </u>			WASTE WATER	WASTE WATER													T
111	3	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	TREATMENT	TREATMENT	HAZ		SIEMENS	VAN-CHEMNY-WW	002264444JJK	RECYCLE	13500		Ì	13,170	13,170	0	1
11	12	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	DBAD	Norlite	ST0045-02	008343702JJK	INCINERATE	4218			4,218	4,218	0	2
11	35	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	DBAD	Norlite	ST0045-02	008343702JJK	INCINERATE	12660			12,660	12,660	0	6
11	3	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	DBAD	Norlite	ST0045-02	008343702JJK	INCINERATE	5228			5,228	5,228	0 %	. 2
/11	1	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	Process cleanout	Process cleanout	HAZ		Norlite	ST-0151-03	008343702JJK	INCINERATE	450			450	450	0	
/11		WASTE FLAMMABLE LIQUIDS	CAUSTIC & WATER FLUSH	Process cleanout	Process cleanout	HAZ		Bridgeport	1598FD2HFB	008343701JJK				1,340	1,340	1,340	0	1.5
11	6	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	PTSI	NON		Bridgeport	0928DN4	008343701JJK				3,675	3,675	3,675	0	
		NON-REGULATED WASTE NON-HAZ				1										·	1 1	11
11		SOLIDS	NON HAZ FILTERS	PTSI	PTSI	NON		Bridgeport	0927DN4	008343701JJK				150	150	150	0	<u> </u>
(11		HAZARDOUS WASTE SOLID NOS				HAZ		Clean Harbors	13778178-1	008343748JJK		3025			3,025	3,025	Ð	
11	3	WASTE FLAMMABLE LIQUIDS	BzCarb Solids	BzCarb	BzCarb	hAZ	BZC	Clean Harbors	CH26783WTS	008343748JJK	INCINERATE	978						1
		NON-REGULATED WASTE NON-HAZ		1		1									978	978	- 6	+
11				1		1	i									978	<u> </u>	†
		SOLIDS	NON HAZ FILTERS	2-CMBSI	2-CMBSI	NON		Clean Harbors	CH26931WTS	008343748JJK				170	978 170	978 170	6	
/11		SOLIDS HAZARDOUS WASTE LIQUID	NON HAZ FILTERS AQUEOUS TANK SLUDGE			NON HAZ			CH26931WTS ST-015103	008343748JJK 000209650UIS	INCINERATE	2500		170		978	0	
	5	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	WASTE WATER	WASTE WATER	HAZ		TRACEABLE TRMT	ST-015103	000209650UIS	-			170		978 170 2,500		
	5			WASTE WATER TREATMENT	WASTE WATER TREATMENT	1				000209650UIS	-	2500 9000		170		978 170	0 0	
11	5 2	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS	AQUEOUS TANK SLUDGE . SPENT CARBON	WASTE WATER TREATMENT WASTE WATER	WASTE WATER TREATMENT WASTE WATER	HAZ HAZ		TRACEABLE TRMT SIEMENS	ST-015103 VAN-CHEMNY-WW	000209650UIS 002264257JJK	RECYCLE	9000	-	170		978 170 2,500 9,000	0	
111	2 2	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS	AQUEOUS TANK SLUDGE	WASTE WATER TREATMENT	WASTE WATER TREATMENT	HAZ		TRACEABLE TRMT	ST-015103 VAN-CHEMNY-WW	000209650UIS	RECYCLE			170		978 170 2,500		
11	2 2	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON	WASTE WATER TREATMENT WASTE WATER TREATMENT	WASTE WATER TREATMENT WASTE WATER TREATMENT	HAZ HAZ		TRACEABLE TRMT SIEMENS SIEMENS	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF	000209650UIS 002264257JJK 002264257JJK	RECYCLE	9000				978 170 2,500 9,000 300	0	
/11 /11 /11	2 2 3	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS	AQUEOUS TANK SLUDGE . SPENT CARBON	WASTE WATER TREATMENT WASTE WATER	WASTE WATER TREATMENT WASTE WATER	HAZ HAZ		TRACEABLE TRMT SIEMENS	ST-015103 VAN-CHEMNY-WW	000209650UIS 002264257JJK	RECYCLE	9000		750		978 170 2,500 9,000	0	
11 11 11	2 2 3	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS	WASTE WATER TREATMENT WASTE WATER TREATMENT	WASTE WATER TREATMENT WASTE WATER TREATMENT	HAZ HAZ HAZ NON		TRACEABLE TRMT SIEMENS SIEMENS Bridgeport	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4	000209650UIS 002264257JJK 002264257JJK 003683650JJK	RECYCLE	9000	-			978 170 2,500 9,000 300 750	0	
/11	2 2 3	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON	WASTE WATER TREATMENT WASTE WATER TREATMENT	WASTE WATER TREATMENT WASTE WATER TREATMENT	HAZ HAZ		TRACEABLE TRMT SIEMENS SIEMENS	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF	000209650UIS 002264257JJK 002264257JJK	RECYCLE	9000				978 170 2,500 9,000 300	0	
11 11 11	2 2 3 3	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE	HAZ HAZ HAZ NON	4-TFMPI Waste DMF	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB	000209650UIS 002264257JJK 002264257JJK 003683650JJK	RECYCLE RECYCLE	9000	-			978 170 2,500 9,000 300 750	0	
11 11 11 11 11 11 11 11	2 2 3 3 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE	HAZ HAZ NON HAZ	4-TFMPI Waste DMF DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK	RECYCLE RECYCLE INCINERATE	9000	-			978 170 2,500 9,000 300 750	0	
11 11 11 11 11 11 11 11 11 11 11 11 11	5 2 2 3 3 4 10	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts	HAZ HAZ NON HAZ	4-TFMPI Waste DMF DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE	9000 300 989 1677	-			978 170 2,500 9,000 300 750 989 1,677	0	
11	5 2 2 3 3 4 10 10	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE	9000 300 989 1677 25753				978 170 2,500 9,000 300 750 989 1,677 25,753	0 0 0 0 1677	120
11	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE	9000 300 989 1677 25753 3374 1675				978 170 2,500 9,000 300 750 989 1,677 25,753 3,374	0 0 0 1677 0	120
11 11 11 11 11 11 11	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE	9000 300 989 1677 25753 3374				978 170 2,500 9,000 300 750 989 1,677 25,753 3,374	0 0 0 1677 0	120
11 11 11	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE	9000 300 989 1677 25753 3374 1675				978 170 2,500 9,000 300 750 989 1,677 25,753 3,374 1,675	0 0 0 1677 0 0	124
11	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE INCINERATE RECYCLE	9000 300 989 1677 25753 3374 1675				978 170 2,500 9,000 300 750 989 1,677 25,753 3,374 1,675	0 0 0 1677 0 0	120
11 11 11 11 11 11 11	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE INCINERATE RECYCLE	9000 300 989 1677 25753 3374 1675 1256 119441				978 170 2,500 9,000 300 750 989 1,677 25,753 3,374 1,675	0 0 0 1677 0 0	128
11	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE INCINERATE RECYCLE	9000 300 989 1677 25753 3374 1675 1256 119441				978 170 2,500 9,000 300 750 989 1,677 25,753 3,374 1,675	0 0 0 1677 0 0	128
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite Norlite	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE INCINERATE RECYCLE	9000 300 989 1677 25753 3374 1675 1256 119441 59.72 1,324,253	1,434,493			978 170 2,500 9,000 300 750 989 1,677 25,753 3,374 1,675	0 0 0 1677 0 0	126 10 83
1	3 3 4 10 10 4	HAZARDOUS WASTE LIQUID HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS NON-REGULATED WASTE NON-HAZ SOLIDS WASTE FLAMMMABLE LIQUIDS, CORROSIVE WASTE N,N-DIMETHYLFORMAMIDE WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS WASTE FLAMMABLE LIQUIDS NOS	AQUEOUS TANK SLUDGE SPENT CARBON SPENT CARBON NON HAZ FILTERS TOLUENE, SODIUM HYDROXIDE ACETONE TOLUENE ACETONE TOLUENE ACETONE TOLUENE	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-0-directed from	WASTE WATER TREATMENT WASTE WATER TREATMENT PTSI 4-TFMPI AMIDE CHLORIDE R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-12 Dbad Botts R-16 Dbad Botts R-17 Dbad Botts	HAZ HAZ NON HAZ HAZ HAZ HAZ HAZ HAZ	4-TFMPI Waste DMF DBAD DBAD DBAD DBAD	TRACEABLE TRMT SIEMENS SIEMENS Bridgeport Bridgeport Norlite Norlite Norlite Norlite Bridgeport	ST-015103 VAN-CHEMNY-WW VAN-VDMNY-AF 0927DN4 1598D2FB ST-0102-02 ST0045-02 ST0045-02 ST0045-02	000209650UIS 002264257JJK 002264257JJK 003683650JJK 003683650JJK 008343743JJK 008343743JJK 008343743JJK	RECYCLE RECYCLE INCINERATE INCINERATE INCINERATE INCINERATE RECYCLE Qtrly volume ton	9000 300 989 1677 25753 3374 1675 1256 119441 59.72 1,324,253	1,434,493		170	978 170 2,500 9,000 300 750 989 1,677 25,753 3,374 1,675 1,256	0 0 0 1677 0 0 0	126 10 83

2011 Total Estimated Tons Tax Rate \$130.00 /ton 2011 estimated HzWaste fee \$79,141.69
 Clean Harbors
 234.55
 ช755

 Tons
 2.969725
 14.26425

DO NOT NEED TO SEND NON REGULATED MANIFEST OUT

LBS / SP GRAVITY / 8.34 = GALS

% Solvent 5% DMF 100% Toluene Waste Identity

0.05 0.02 0.8

	1	15:25	P. M. J.		ANDEWAR VPROD	Type of waste		1										
			WASIE		ANDEMARKUPROD	comment PAA	IIAZI ITON	1							···			
SHIP	Invoice	QĮY	DESCRIPTION :		l. are		110017	E B I	Reportable (51			Spent Carbon			Vaste Reduction Pl	an Lab Waste	Aq splits
	DATE							MeOH	Toluene	Xylene	HCI	РОН	SIEMENS	Waste oil	Waste solvents Process Cleanout		Lab vvasie Lab pack	BZC-hydrazine
<i>⊸₁/</i> 04/11	01/31/11	29	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	29 drums Toluene ?	Benzyl Carb	HAZ	11016	o	0			0	0	11016	0	0	0
						95% toluene, Benzy Carb and/or												
01/04/11	01/31/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	4 Totes Toluene 1 drum BZOH,	Carbeaster material.	HAZ	0	5200	0			0	0	5200	0	0	0
01/04/11	01/31/11	1	NON REGULATED BENZYL ALCOHOL	вzон	BCF	BCF, 99% BZOH	NON	0	0	0			0	0	0	0	0	0
	ļ					<2% toluene, water, Hydrazine hydrate			<u>.</u>									
				HYDRAZINE HYDRATE,	B	and Hydrazine Hydro									_		_	
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride. 90% PTSA, 10%	HAZ	0	520.46	0			0	0	0	0	0	26023
01/04/11	01/31/11	9	NON REGULATED PTSI RESIDUE		PTSI, 9 drums	PTSI 10% MCB, high vac	NON	0	0	0	 		0	0	0	0	0	0
01/04/11	01/31/11	1	NON REGULATED (WASTE OIL)		1 drum waste oil	pump.	NON	0	0	0			0	444	0	0	0	0
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	METHANOL HYDROCHLORIC ACID	1 drum Solvent Rag layer.	90% Methanol	HAZ	476	. 0	0			0	0	476	o	0	0
						No solvent, 50% ADI, 50% ADI												
01/18/11	02/28/11	24?	HAZ WASTE SOLID	24 drums of Solids waste, ? ADI?		impurities.	HAZ	Ú	5	3886.5			0	0	0	o	0	0
01/18/11	02/28/11	2	WASTE XYLENES	ADI		90% Xylene	HAZ	0	į.	1002			0	0	0	0	0	0
01/18/11	02/28/11	11	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		95% Amide Chloride 5% DMF	HAZ	e e	0	i i			0 _	0	0	o	0	0
01/18/11	02/28/11	5	NON REGULATED PHCF	PHCF Still Bottom Toluene	Iso container clean out?	5% toluene, rest water?	NON	j)	.1				0	o i	O	0	0	0
01110211	32320711					<2% toluene, water,	11011	<u>-</u> -									 	
				HYDRAZINE HYDRATE,		Hydrazine hydrate and Hydrazine Hydro												
01/20/11	02/07/11		WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride.	HAZ	0	703.56	0			0	0	0	0	0	35178
01/21/11	·		HAZARDOUS WASTE SOLID NOS HAZARDOUS WASTE SOLID NOS		-	i	HAZ HAZ	0	0	0			5300 7689	0	0	0	0	0
01/21/11		1	HAZARDOUS WASTE SOLID NOS				HAZ	0	0	0			2630	0	0	0	0	0
01/25/11	02/11/11	20	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	2-CMBSA dust	NON	0	0	0			0	0	0	0	00	0
						<2% toluene, water, Hydrazine hydrate				1								
04/07/44	00/07/44	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	and Hydrazine Hydro chloride.	HAZ	o	709.98				0	o	٥	0	O	35499
01/27/11	02/07/11	1	WASTE PEAWWABLE EIQUID	TOEGETAE	Bellzyl Carbazate	<2% toluene, water,	I I AZ	0	709.80	-								35499
				HYDRAZINE HYDRATE,		Hydrazine hydrate and Hydrazine Hydro	ļ	·										
02/03/11	02/21/11	1	WASTE FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	chloride.	HAZ	0	715.14	0_			0	0	0 .	0	0	35757
						<2% toluene, water, Hydrazine hydrate												
				HYDRAZINE HYDRATE,		and Hydrazine Hydro												
02/10/11	02/28/11	1	WASTE FLAMMABLE LIQUID	TOLUENE .	Benzyl carbazate 2.4 DCBHA	chloride.	HAZ	0	755.64	0			0	0	0	0	0	37782
02/17/11			HAZ WASTE SOLID	SPENT CARBON - ISOPROPANOL		IPOH	HAZ	0	0	0			3346	0	0	0	0	0
02/17/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE		<2% toluene, water,	HAZ	0	0	0			3513	0	0	0	0	0
					}	Hydrazine hydrate									1	1		1
02/17/11	02/28/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE		and Hydrazine Hydro chloride.	HAZ	0	745.64	o			0	.	0	0	0	37282
		-			- ·	<2% toluene, water, Hydrazine hydrate		-										
				HYDRAZINE HYDRATE,		and Hydrazine Hydro									j			
02/24/11	03/16/11			TOLUENE 2-CMBSA FILTER BAGS	Benzyl carbazate	chloride.	HAZ	0	831.52	0			0	0	0 0	0	0 0	41576
03/11/11	04/28/11	15	NON REGULATED MATERIAL	2-CIVIDOA FILTER DAGO		2-CMBSA dust 90% PTSA, 10%	NON	0	Ö	0			0					0
03/24/11	05/11/11	16	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI, 16 drums	PTSI 75% toluene from	NON	0	0	0	-		0	0	0	00	0	0
03/24/11	04/28/11	23	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE		Benzyl Carb	HAZ	0	9499	0			0	0	9499	0	0	0
03/24/11	04/28/11	19	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	19 drums	75% toluene from Benzyl Carb	HAZ	0	7847	0			0	0	7847	0	0	o
						95% toluene, Benzyl Carb and/or		1,000				Ì						
03/24/11	04/28/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	(4) totes.	Carbeaster material.	HAZ	.0	6598	0			0	0	6598	0	0	0
24/11	04/28/11	2	NON REGULATED MATERIAL		(2) drums PNBC off spec? Rag?	90% PNBC	NON	0	0	0		Ţ	0	0	0	0	0	o
-/24/11	04/28/11	3	NON REGULATED MATERIAL	BENZYL ALCOHOL	1 drum	BCF, 99% BZOH	NON	0	0	0			0	0	0	0	0	0
03/24/11	04/28/11			BENZYL ALCOHOL			NON	0	0	0			0	0	0	0	0	0
03/24/11	06/09/11 06/09/11		WASTE CORROSIVE LIQUID WASTE FLAMMABLE LIQUID				HAZ HAZ	0	0	. 0 : 0			0	0	0		27	0
03/24/11	06/09/11		WASTE AMINE, LIQUID CORROSIVE				HAZ	0	5	9			0 1	0	0	0	40	ō
03/24/11	06/09/11	1	CORROSIVE LIQUID, ACIDIC			Lab pack	HAZ	O	. 0	Ð			0	0	0	0	4	0
03/24/11	06/09/11	1	TOXIC SOLIDS, ORGANIC		<u> </u>	Lab pack	HAZ	0	0	01			0	0	0	0	15	0

्रे हें प्रदेश		tal inches		WASTE		ANDEMARKIEROD	Type of waste comment PAA	HAZI NON											
SH	IIP	Invoice	OTY	UDESCRIPTION				SNOV								Hazardous V	Vaste Reduction P	an	
	TE .	DATE	113		no de la Secola de la Compansión de la Compansión de la Compansión de la Compansión de la Compansión de la Comp	1.0			Form R	Reportable (Chemicals			Spent Carbon			Off spec product	Lab Waste	Ag splits
.0315	24/11	06/06/11	1	TOXIC LIQUIDS ORGANIC			Lab pack	HAZ	(i	ý	C]	I	0	0	0	0	20	O
1 1	24/11	05/11/11	1	WASTE POISON INHALATION	METHYL CF	R&D	99% MCF	HAZ	ij.	. Ç	G			0	0	0	0	0	0
,						??BZOH/NAo4?), CLEAN out	10% BZOH, 50% H20, 40% NAOH 5%		j		ľ			ļ	ľ				
03/2	4/11	05/11/11	2	WASTE FLAMMABLE LIQUIDS	ACETONE, SODIUM HYDROXIDE	;	solution	HAZ	. ži		(;			1 0	l 0	0	n	0	
03/2		05/11/11		WASTE TOXIC SOLIDS	TRIPHOSGENE	R&D	Triphosgene	HAZ.	e	1 3	0	 	 	0	0	0	0	0	0
,		· · · · · · · · · · · · · · · · · · ·				Potentially Pt-16							1						
03/2	4/11	05/11/11	17	HAZARDOUS WASTE SOLID NOS	??	waste	ST-25 waste	HAZ	. 6	4 4	<u>'</u> <u>U</u>	<u> </u>	<u> </u>	0	0	0	0	0	0
03/2	1//11	05/11/11	2	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		95% Amide Chloride 5% DMF	HAZ		a .	100			0	١ ،		n	0	0
03/2	-	05/11/11		HAZARDOUS WASTE SOLID NOS	ANIBE GILONIDE		070 53411	HAZ	5	1 0		 		0	0	1 0	0	0	1 0
04/0			3	HAZARDOUS WASTE SOLID NOS	-			HAZ	0	0	0.			11510	0	0	0	0	D
04/0				HAZARDOUS WASTE SOLID NOS				HAZ	0	0	0			4497	0	0	0	0	0
04/2	9/11	05/20/11	27	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS	2-CMBSI	2-CMBSI	NON	0	. 0	0	ļ	ļ	0	0	0	0	0	0
05/0	6/11	07/12/11	1	 WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	7?77	Carbeaster, 80%	HAZ	29248					0	0		n	0	1 0 1
05/1		01112111		TOLUENE, PRODUCT	TOLUENE	1111	INCOLL	PROD	0	1 0	-		ļ	0	0	0	0	0	0
05/1				HAZ WASTE SOLID	SPENT CARBON TOLUENE			HAZ	0	0	 		ļ	14016	0	0	0	0	0
05/1	7/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE			HAZ	0	0	0			2335	0	0	0	0	0
05/1	7/11		1	HAZ WASTE SOLID	SPENT CARBON - HEPTANE			HAZ	0	0	0			2174	0	0	0	0	0
	-,, [00/07/1	_	MARTE ELAMMARIE LIGUERO	METHANOL TOLLIENS	Corboastas	Carbeaster, 80%	1147	0,50-							_			
05/1		06/27/11 06/29/11		WASTE FLAMMABLE LIQUIDS NON REGULATED MATERIAL	METHANOL , TOLUENE FILTER BAGS W/ 2CMBSA	Carbeaster 2-CMBSI	MeOH 2-CMBSI	HAZ NON	24575.2	0	0		ļ	0	0	0	0	<u>0</u>	0
05/1	0/17	00/29/11	13	MON KEGOLATED MATERIAL	FILTER BAGS VVI ZCIVIBSA .		WHY VDM? NOT	NON	0	1 0	<u> </u>		 	J	·····	J	<u> </u>	υ	
05/18	8/11	06/29/11	3	NON REGULATED MATERIAL	COAL TAR	SNPE?	SNPE?	NON	ם	0.	0			0	0		o	0	1 0 1
,	$\overline{}$							1		1	 							<u> </u>	
.				EXTRA BILLINGJUST TO TRACK		1				1									1
				COST.				· .	0	0	0			0	0	0	0	0	0
0.5/0	4/44	V2044 + 07/		WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	Rejected 548 gallons	Rejected 548 gallons		39540	0	٥			٥	o	20540	_	0	,
05/2 ²		06/27/11 06/27/11		NON REGULATED MATERIAL	NON HAZ SOLIDS	ganons	Rejected 546 gallons	NON	39540	0	0		ļ	0	0	39540 0		0	0 1
05/2		06/27/11		NON REGULATED MATERIAL	PTSI RESIDUE			NON	0	0	0			0	0	- 0		0	
05/2	-	06/27/11		NON REGULATED MATERIAL	WASTE OIL			NON	0	0	0			0	193	0	0	0	0
05/2		06/27/11	29	HAZARDOUS FLAMMABLE LIQUID	ACETONE TOLUENE	?	75 tol	HAZ	, Q	11600	0			0	0	11600	0	0	0
- 11	7/11	06/27/11		HAZARDOUS FLAMMABLE LIQUID	ACETONE TOLUENE	?	76 tol	HAZ	0	4875	0			0	0	4675	0	0	0
	7/11	06/27/11	_	WASTE	N,N-DIMETHYLFORMAMIDE	95%	DMF	HAZ	0	0	· 0			0	0	0	1444	0	0
05/2	7/11	06/27/11	2	WASTE FLAMMABLE LIQUID	TOLUENE, DIETHYLAMINE	HEGCL LAB non Reactive	HEGCL, 50 tol LAB non Reactive	HAZ	0 12	333	0		·	0	0	0	0	0	0
06/03	3/11	07/18/11	2	WASTE FLAMMABLE LIQUID	TOLUENE, METHANOL	waste	waste	HAZ)s	60				0 1	o	n	. 1	o	1 。 1
06/03		07/18/11		HAZ WASTE SOLID	CDHI solids?	CHDI?	CHDI?	HAZ	- 6	0	Ď.			0 1	- 0	0	0	0	0
06/03		07/18/11		WASTE TOXIC SOLIDS	1,4 CYCLOHEXANDE DIISOCYANATE		CHDI?	HAZ	ō	0	Ø.			0	0	0	0	0	0
06/03	3/11	07/18/11			1,4 CYCLOHEXANDE DIISOCYANATE	CHDI?	CHDI?	HAZ	0	0	: 0			0	0	0	0	0	0
06/06					SPENT CARBON - CHLOROBENZENE			HAZ	0	0	0			3621	0	0	0	0	0
06/06	6/11		2	HAARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		Oht 000/	HAZ	0	0	0			564	0	0	0	0	0
06/06	6/11	07/06/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	Carbeaster, 80% MeOH	HAZ	20896.8	o	o			0	o	0	0	0	0
06/23		08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	Benzvl carbazate	HAZ	0	520.46	0			0	0	0	0	0	26023
07/01		00/00/11		HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE			HAZ	0	0	0			1914	0	0	0	ŏ	0
07/01				HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE			HAZ	0	0	0			7606	0	0	ō	0	0
. ——							<2% toluene, water,	i i											
i					LINEDATIUE INCREATE		Hydrazine hydrate		I									ļ	
07/0	4/44	00/00/44	1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE		and Hydrazine Hydro chloride.	HAZ	0	709.26529	0			0	0	0	o	٥	35463,2646
07/01	1/13	08/08/11	-1	HAZARDOUS FLANINIABLE LIQUID	TOLUENE		<2% toluene, water,	MAZ		109.20028	0				U	U		<u> </u>	35463,2646
i							Hydrazine hydrate			1		j							
1					HYDRAZINE HYDRATE,		and Hydrazine Hydro					1		i	1				
07/07	7/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate		HAZ	0	690.22	0			0	0	0	0	0	34511
1							<2% toluene, water,	1						1					•
i	- 1				 HYDRAZINE HYDRATE,		Hydrazine hydrate and Hydrazine Hydro					Ì	İ	ŀ		1			
07/14	4/11		1	HAZARDOUS FLAMMABLE LIQUID		Benzyl carbazate		HAZ	0	686,36198	0			0	0	0	0	0	34318.0992
	***					2011271 02122200	<2% toluene, water,		•	,000,001,00									01010.0002
i	1						Hydrazine hydrate							ľ				1	
					HYDRAZINE HYDRATE,	[and Hydrazine Hydro		_	,							1	ĺ	
07/19	9/11		1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	cnloride.	HAZ	0	334.8807	0			0	0	0	0	0	41744.0352
i							<2% toluene, water, Hydrazine hydrate					-	1	-	- 1	Ī	1	į	
i		}			HYDRAZINE HYDRATE,	ļ	and Hydrazine Hydro			-			1	ļ			1	j	ı
2,	1/11		1	HAZARDOUS FLAMMABLE LIQUID		Benzyl carbazate		HAZ	0 -	817.24494	0	1		0	0	0	0	0	40862,247
	7/11			HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	?		HAZ	Ö	9272	_ 0			0	0	9272	Ö	0	0
0//2.					ACETONE, TOLUENE	?	?	HAZ	0	8827	0			0	0	8627	0	0	0
07/27					AQUEOUS TANK SLUDGE	12	?	HAZ	0	0	0			0	0	0	0	0	0
			1	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	<u> </u>		F.											
07/27 07/27	7/11															_			
07/27	7/11		2	HAZARDOUS FLAMMABLE LIQUID	TOLUENE HYDROCHLORIC ACID			HAZ NON	0	0	0			0	0	0	376 0	0	0

	FINA ABOV		Programme and the second	A A A A A A A A A A A A A A A A A A A		Type of waste	i di]										
SHIP	Invoice	OIM	WASTE CONTROL OF THE STATE OF T		dosepsiskmedine	y comment PAA	NAZI. NON						<u> </u>		Hazardous \	Waste Reduction Pla	an	
DATE	N'DATE :		CONTRACTOR OF STREET					Form R	Reportable	Chemicals			Spent Carbon	n	Waste solvents	Off spec product	Lab Waste	Aq splits
^9/07/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON			HAZ	0	0	0			7940	0	0	0	0	Ö
07/11			HAZARDOUS WASTE SOLID NOS	SPENT CARON - CHLOROBENZENE			HAZ	0	0	0	1		269	0	0	0	0	0
∪9/20/11			NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	2-CMBSI	NON	0	0	0	· · · · · · ·	†	0	0	0	0	0	0
						Carbeaster, 80%	 	 	T	 	-	 		1				
09/22/11	1	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	MeOH	HAZ	31998.912	. 0	ه ا	l		lo	1 0	0	0 1	0	1 0 1
09/22/11			TOLUENE, PRODUCT	TOLUENE	Toluene	Toluene	PROD	0	0	0			0	0	0	0	0	0
05/22/11			TOLUENE, PRODUCT	TOZOLNE	Torderie	Carbeaster, 80%	FROD	 	+	 		 		 	 			
09/27/11			HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	MeOH	HAZ	28880,986		0			0	0	0	ا ما	0	0
09/28/11			HAZARDOUS FLAMINABLE LIQUID	SPENT CARBON	Carpeaster	INICOTI	HAZ	0	0		 	 	8040	1 0	0	0	<u>0</u>	
				PTSI RESIDUE	PTSI	PTSI	NON			0	ļ	ļ				 	0	0
10/04/11		10	NON REGULATED MATERIAL		PISI	P181		0	<u> </u>	0	ļ <u></u>	<u> </u>	0	0	0			
10/04/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE	1000	1000	HAZ	0	0	0			3990	0	0	0	0	0
10/04/11		17_	HAZARDOUS WASTE SOLID NOS	DMF W/ MIXED SOLVENTS	777	???	HAZ	0	0	0			0	0	0	0	0	0
				Waste flammables		B		1			l	1					•	
10/04/11		51	HAZARDOUS WASTE SOLID NOS	(acetone/tolunene)	Process cleanout	Process cleanout	HAZ	0	0	0		<u> </u>	0	0	0	0	0	0
10/04/11		1	HAZARDOUS FLAMMABLE LIQUID	Waste Caustic			HAZ	0	0	0		<u> </u>	0	0	0	0	0	0
10/25/11		41	HAZARDOUS FLAMMABLE LIQUID	AQUEOUS TANK SLUDGE			HAZ	. 0	0	0			0	0	0	0	0	0
	I T			Waste flammables										i	1]]
10/25/11		1	HAZARDOUS FLAMMABLE LIQUID	(acetone/tolunene)		<u> </u>	HAZ	0	343	0		1	0	0	343	0	00	0
10/25/11		4	HAZARDOUS FLAMMABLE LIQUID	Waste flammables (DMF))	DMF, toluene	DMF, toluene	HAZ	0	0	0			0	0	0	1899	0	0
				Waste flammables					1					1				
10/25/11		11	HAZARDOUS FLAMMABLE LIQUID	(acetone/tolunene)		1	HAZ	0	4351	0	1	1	0	0	4351	0	0	0
10/25/11		2	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	PTSI	NON	0	0	0	[[0	0	0	0	0	0
10/25/11		1	NON REGULATED MATERIAL	PTSI RESIDUE	Bag filters	Bag filters	NON	5	0	1 0	<u> </u>	1	0	0	0	0	0	0
		···		<u> </u>	WASTE WATER	WASTE WATER		 	 	 		 		 			-	1
10/27/11		3	HAZARDOUS WASTE SOLID NOS	TOLUENE SPENT CARBON	TREATMENT	TREATMENT	HAZ	0	0	0		1	11702	0	0	lol	0	0
.0/21/11					ACID	1	+	 	+	 				 	 	-	<u></u>	+
10/27/11	l l	າ	HAZARDOUS WASTE SOLID NOS	CHLOROBENZENE SPENT CARB		ACID TREATMENT	HA7	0	۱ ۵	n	1		4565	0	1 0	0	0	
10/2//11			THE TREATMENT OF THE POPULATION	S. LONG DENZENE OF ENT OAKS	ACID	, SID INCATIVILIA	1174	1 - V	+	 	 	 	7505	1 -	· · · · · · · · · · · · · · · · · · ·			+
10/28/11		3	HAZARDOUS WASTE SOLID NOS	CHLOROBENZENE SPENT CARB		ACID TREATMENT	1447	0	0	1 0		1	750	0	۱ ،	0	0	0
10/28/11		3	LIVEWINDOOR MAGTE SOCID NOS	OTLONOBLINZENE SPENT CARB	WASTE WATER	WASTE WATER	1044	- · ·	· · · · · ·	 	 	 	120	 	U		U	+
444544		^	HAZABBOHE WASTE SOLID NOS	CDENT CARRON			110-7				}	1	40470	١ ,		0	•	
11/15/11		3	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	TREATMENT	TREATMENT	HAZ	0	0	1 0	ļ	<u> </u>	13170	0	0		0	
11/23/11		12	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0
11/23/11			HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0
. 11/23/11		3	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0
23/11		1	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	Process cleanout	Process cleanout	HAZ	0	0	0			0	0	0	0	O _.	0
. 1/23/11		3	WASTE FLAMMABLE LIQUIDS	CAUSTIC & WATER FLUSH	Process cleanout	Process cleanout	HAZ	0	0	0			0	0	0	0	0	0
11/23/11		6	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	PTSI	NON	0	0	0			0	-0	0	0	0	0
			NON-REGULATED WASTE NON-HAZ				T	T	1	1								
11/23/11		1	SOLIDS	NON HAZ FILTERS	PTSI	PTSI	NON	0	0	0		1	0	0	0	0	0	0
12/12/11		13	HAZARDOUS WASTE SOLID NOS			·	HAZ	5	0	51			0	0	ō	0	0	0
12/12/11			WASTE FLAMMABLE LIQUIDS	BzCarb Solids	BzCarb	BzCarb	hAZ	ů	978	t)		<u> </u>	0	0	ō	0	0	1 0
.2.12/11			NON-REGULATED WASTE NON-HAZ				+·*· -	 	12/ 33	 		!	ļ	 			· · · · · ·	
12/12/11	-	4	ISOLIDS	NON HAZ FILTERS	2-CMBSI	2-CMBSI	NON	້	r,	1 ,			n	0	n	۱ ،	0	1 0
			HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	Z-OWIDOI	- OMBOI	HAZ	Ö	1 0	1 - 5 -		<u> </u>	0	0	0	0	- 0	1 0
11/10/11		5	MAZARDOUS WASTE LIQUID	AGUEUUS TANK SLUDGE	WASTE WATER	MACTE MATER	ITAZ.	-	U	. 0	<u> </u>		<u> </u>	 	· · · · · ·	U	<u> </u>	
40,40,11		_	HAZADDOHO MACTE COLID MOO	CDENT CARRON		WASTE WATER	1103	۱ .] _]		}· I	6500	_				_
12/19/11,		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	TREATMENT		HAZ	0	0	0	L	ļI	9000	0	ט	U	0	0
1		_	HAZABBOHO WARTE SOLID HOS	OBENIT CARBON		WASTE WATER		_	_	_				_	· [•	
12/19/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	TREATMENT	TREATMENT	HAZ	0	0	0			300	0	0	0	0	0
1			NON-REGULATED WASTE NON-HAZ			broi		_	1 _	_			_				_	1
12/22/11			SOLIDS	NON HAZ FILTERS	PTSI	PTSI	NON	0	0	0			0	0	0	0	0	0
			WASTE FLAMMMABLE LIQUIDS,					1 .	1							T		į 1
12/22/11		3	CORROSIVE	TOLUENE, SODIUM HYDROXIDE		4-TFMPI	HAZ	0	989	0			0	0	0	0	00	0
					AMIDE	ALUBE 0							_			,	_	
12/22/11			WASTE N,N-DIMETHYLFORMAMIDE		CHLORIDE	AMIDE CHLORIDE	HAZ	0	0	0			0	0	0	1677	0	0
12/22/11				ACETONE TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0
12/22/11		, .	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	Ō	0	0			0	0	0	0	0	0
12/22/11		4	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	R-12 Dbad Botts	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0
					Re-directed from	Re-directed from			Ī									
12/22/11		3	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	Norlite	Norlite	HAZ	0	0	0		[0	0	0	0	0	0
-																		<u> </u>
	···				 					 	·							
				1			 	-	 	 				 				
ļ							 	101507.0	92454 22	APAG F			130441	637	124010	5396	110	606961.0072
	l.	_			L	L			82451.22	4898.5	0	0	130441	03/	124010	9330	770	2100.106000
									80484.22	0		1		ļl]			
					62	Number of Haz Shipr	ments (num	476	989	0				<u> </u>				
								4586	973	49999		[<u> </u>		
DO NOT NEED TO SEND NON REGULATED MANIFEST OUT 95.73						95.798949	41.22561	2.44925	0	0	65.2205	0.3185	62.005	2.698	0.055	303,4805036		
							100/00/											

	A CARLO CONTRACTOR OF THE PARTY OF THE	「量」と「Contigual Contigual Contigual というというない。 たいはい Wista Contigual Contigua	ype of waste
	it ar waste	WANDEMARK PRODUCC	omment PAA
SHIP Invoice QTY DATE DATE	1 DESCRIPTION		
Shir, invoice Unit	DESCRIPTION		
TALLA LEAD BOOK DATE OF THE PROPERTY OF	rangan dan permenangan beragai permenangan beragai menangan beragai beragai beragai beragai beragai beragai be	图 1 生物系统 网络特殊特殊的 人名英格兰斯 计连续编码 计	

jnazi Non

Hazardous Waste Reduction Plan

Form R Reportable Chemicals | Spent Carbon | Waste solvents | Off spec product | Lab Waste | Aq splits

Monthly summary

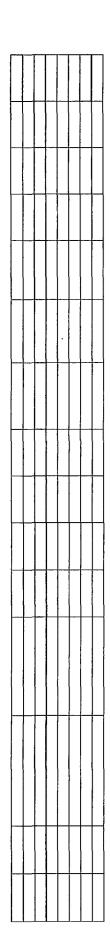
Total

,		
	Tons Waste	Estimated Yearly total
January	70	844
February	81	906
March	16	668
April	9	528
May	71	593
June	32	559
July	133	707
August		
September		
October		
November		
December		

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Q1 WASTE TAX

Q1 WASTE												
03/24/11	1	WASTE CORROSIVE LIQUID		HAZ	CLEAN HAR		008344566JJK	INCINERATE	4			4
03/24/11	1	WASTE FLAMMABLE LIQUID		HAZ	CLEAN HAR	BOURS	008344566JJK	INCINERATE	27			27
	_	WASTE AMINE, LIQUID		1								
03/24/11	1	CORROSIVE	ACETONE SODIÚM	HAZ	CLEAN HAR	BOURS	008344566JJK	INCINERATE	40			40
03/24/11	2	WASTE FLMMABLE LIQUIDS		HAZ	CLEAN HAR	BUIDS	008344584JJK	INCINERATE	405			405
	1	WASTE TOXIC SOLIDS	TRIPHOSGENE	HAZ			008344584JJK	INCINERATE	78			78
03/24/11	. 1	HAZARDOUS WASTE SOLID	TRIPHOSGENE	HAZ	CLEAN HAR	BOOKS	008344584JJK	INCINERATE	/0			
03/24/11	17	NOS		lHAZ	CLEAN HAR	BOURS	008344584JJK	INCINERATE	5899			5,899
03/24/11	2	WASTE TOXIC SOLIDS	AMIDE CHLORIDE	HAZ	CLEAN HAR		008344584JJK	INCINERATE	800			800
		HAZARDOUS WASTE SOLID						<u> </u>				
03/24/11	1	NOS	<u> </u>	HAZ	CLEAN HAR	BOURS	008344584JJK	INCINERATE	496			496
- 1			HYDRAZINE HYDRATE,			,						
01/20/11	11	WASTE FLAMMABLE LIQUID		HAZ	NORLITE_	J112210026-101	004399842JJK	INCINERATE	35,140			35,140
01/07/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE,	HAZ	NORLITE	J1122100026-102	UU1300811 IIK	INCINERATE	36,000	3.905		36,000
01/27/11		WASTE FLAWIWABLE EIQOID	HYDRAZINE HYDRATE,	TAZ	INORLITE_	31122100020-102	00405504100K	INCINEIXATE	30,000	3,900		30,000
02/03/11	1	WASTE FLAMMABLE LIQUID		HAZ	NORLITE	J1122100026-102	004398562JJK	INCINERATE	35,800	3,828		35,800
			HYDRAZINE HYDRATE,									
02/10/11	1	WASTE FLAMMABLE LIQUID		HAZ	NORLITE	J1122100026-103	004399840JJK	INCINERATE	37,660	3,872		37,660
			HYDRAZINE HYDRATE,									
02/17/11	1	WASTE FLAMMABLE LIQUID		HAZ	NORLITE_	J1122100026-103	004398561JJK	INCINERATE	37,840	3,956		37,660
00/04/44	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE,	HAZ	NORLITE	J1122100027-102	00430093011K	INCINERATE	41980			41,980
02/24/11	23	WASTE FLAMMABLE LIQUID		HAZ	NORLITE	J0308110137-101		INCINERATE	9499			9,499
		WASTE FLAMMABLE LIQUID							7847			7,847
03/24/11	19			HAZ	NORLITE_	J0308110137-101		INCINERATE	-			6,598
03/24/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	HAZ	NORLITE	J0308110137-101		INCINERATE	6598			
03/24/11	1	CORROSIVE LIQUID, ACIDIC	<u> </u>	HAZ	CLEAN HAR		008344566JJK	NONE	4			4
03/24/11	1	TOXIC SOLIDS, ORGANIC		HAZ	CLEAN HAR		008344566JJK	NONE	15		_	15
03/24/11	1	TOXIC LIQUIDS ORGANIC	_	HAZ .	CLEAN HAR	BOURS	008344566JJK	NONE	20			20
03/24/11	1	WASTE POISON INHALATION	METHYL CF	HAZ	CLEAN HAR	POLIDE	008344584JJK	NONE	156			156
03/24/11	!	INTALATION	IMETITE CI	TIAL.	CLEAN HAN	l	700344304331	NONE	256308			100
			 					 	200000			<u> </u>
		HAZARDOUS WASTE SOLID						 				
01/21/11	2	NOS		HAZ	SIEMENS	VAN-SOLVNY-CP	002264426JJK	RECYCLE	4,000			4,000
		HAZARDOUS WASTE SOLID										
01/21/11	2	NOS		HAZ	SIEMENS	VAN-CHEMNY-W	002264426JJK	RECYCLE	9,000			9,000
		HAZARDOUS WASTE SOLID						1				
01/21/11	11	NOS	ODENIT OF BOOM	HAZ	SIEMENS	VAN-TERTNY-CP	002264426JJK	RECYCLE	1,800			1,800
02/17/11	1	HAZ WASTE SOLID	SPENT CARBON -	HAZ	SIEMENS	VAN-LCKPNY-W	000064407116	RECYCLE	4,500	Į.		4,500
02/1//11		HAZ WASTE SOLID	SPENT CARBON -	TAZ.	OIEIVIEINO_	AVIA-FOLLIA1-AA	0022044273JK	RECTULE	4,000			-7,500
02/17/11	1	HAZ WASTE SOLID	CHLOROBENZENE	HAZ	SIEMENS	VAN-CHEMNY-W	002264427JJK	RECYCLE	4500			4,500
									23800	-		
			-		, , -						_	
								 	 			i
03/24/11	16	MATERIAL	PTSI RESIDUE	NON	BRIDGEPOI	J0308110137-101	003684212JJK				9,568	9,588
01/18/11	5	NON REGULATED PHCF	PHCF STILL BOTTOMS	· NON	CLEAN HAF		003684205JJK				2,140	2,140
77713711		NON REGULATED	FILTER BAGS W/	11011	OFFULLIAL	,	223007200010					
01/25/11	20	MATERIAL	2CMBSA	NON	COVANTA	7923	476379		L		2,600	2,600
03/11/11	15	MATERIAL	2-CMBSA FILTER BAGS	NON	COVANTA		NYD982792814				1,950	1,950
03/24/11	2	MATERIAL	PNBC	NON	NORLITE	J0308110137-101	008344565JJK				846	846
03/24/11	3	MATERIAL	BENZYL ALCOHOL	NON	NORLITE	J0308110137-101					1,083	1,083
03/24/11	1	MATERIAL	BENZYL ALCOHOL	NON	NORLITE	J0308110137-101					850	850
				1.1.5.1								1
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Ship Date		άῖγ	Type Cont ne	i Waste Descriptio	n managaran	y Y De Well (Arosing)	TAN	Weste Utentily	TEDR	Approvaticode	Shite Manifesi Nimbar	Depotati Depotati	(#42@asic *.((03)	(PAZWaje (Galous)	(edil) (kete	(Senjinger) (Sedjinglijery)	Reso Weight(Ibs)	(Gelfone)) (Meffy) (Gelfo	Deposil	Actual Billed Goed	जिल्लाकारा (स्टब्स्ट) नहारि	Sales kar	Wasie Ciy Gillei Turk Tar	(Helimeted)
15/12 9/12		11			Hydrazine hydrate, toluene id Hydrazine hydrate, toluene	Benzyl carbazate		BZC BZC	Norlite Norlite	P04080800FGMS	008059051JJK 008059049JJK	Incineration	35460 35220	3,848 3,708		35,460 35,220	34,636	3,708	\$8,658.00 \$8,343.00	\$10,288.85 \$9,793.52	\$1,140.00 \$1,140.00	\$739.34 \$702.65	3,848 3,708	
01/10/12		29		Nonregulated materia (filter bags)		2-CMBSI	NON		Covanta Siemens	08-107	43877 002264259JJK	Incineration	9000	0,700	3,770	30,223	3,770 8,109	5,705	\$5,655.00	\$6,593.40	\$450.00	\$488.40	0,7.00	\$938.40 \$0.00
01/11/12		11	1	Hazardous waste solid	d Spent carbon with heptanes	D area Benzyl carbazate	HAZ		Siemens	VDM-TETRNY-AF P040808001FGMS	002264259JJK	Recycle	4500	2.040		36,040	2,544	2.040	#8.400.00	\$40.450.04	64.440.00	£720.00	2.504	\$0.00
01/26/12		1		Waste flammable liqui	id Hydrazine hydrate, toluene	Berizyl carbazate	HAZ	BZC	Norlite Norlite	P040808001FGMS	008059050JJK 008059048JJK	Incineration	36040 35480	3,846		35,480	35,604 35,480	3,846	\$8,109.00 \$8,291.25	\$10,158.21 \$10,009.98	\$1,140.00 \$1,140.00	\$729.66 \$718.68	3,604 3,685	\$1,718.73
02/02/12											A Section Section							VASIB ALE		100000000000000000000000000000000000000				
02/03/12		12	1	Nonregulated material (filter bags)	d Hydrazine hydrate, toluene Filter bags with 2-CMBSA	Benzyl carbazate 2-CMBSI		BZC	Norlite	P040808001FGMS	008059046JJK		37960	3,991	1.500	37,960	37,279	3,991	\$8,979.75	\$8,381.10	\$1,140.00	\$785.89	3,991	
02/02/12		4	1	Hazardous waste solid	Spent Carbon WW w/MCB Spent carbon with MCB	D-Area water treatment D-Area Acid treatment	NON HAZ		Covanta Siemens	08-107 VDM-CHEMNY-WW	44100 002264260JJK		16000		1,560		1,560 14,181		\$2,340.00	\$2,340.00	\$450,00	\$223.20	12	\$0.00
02/02/12 02/08/12	\dashv	1	ļ	Hazardous waste solid	Spent carbon with heptanes d Hydrazine hydrate, toluene	D-Area vapor treatment Benzyl carbazate	HAZ HAZ	D7C	Siemens Siemens	VDM-SOLVNY-CP VDM-BUSPNY-AF P040808001FGMS	002264260JJK 002264260JJK	Recycle	3000 300 36820	0.000		36,820	2,795 255 37,028	0.000	60.040.05	\$9,263.75	\$1,140.00	#760.00	2,000	\$9,263.75
02/07/12	_	15 27		Hazardous waste solid		4-TFMPI	HAZ	BZC	Norlite Clean Harbors	1378178-1	008059047JJK 008343716JJK	Incineration	4677	3,929		4677	4,677	3,929	\$8,840.25 \$3,450.00	\$8,565.22 2,625	\$1,140.00	\$780.62	3,929	\$275.03 \$825.00
02/07/12 02/07/12	_	1		Waste flammable liquid	d 4-TFMPI residue, toluene Amide chloride, lauroyl chloride	4-TFMPI chloride	HAZ		Clean Harbors Clean Harbors	CH28671WTS CH28671WTS	008343716JJK 008343716JJK	Incineration	17149 420			17149 420			\$36,870.35 \$903.00	38,053				\$279.50
02/16/12 02/21/12	_	1		Waste flammable liquid	Hydrazine hydrate, toluene d Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		Clean Harbors Norlite	CH26482WTS P040808001FGMS	008343716JJK 008059045JJK	Incineration	140 43540	4,482		140 43,540	140 41,865	4,482	\$475.00 \$10,084.50	1,250 \$10,129.32	\$2,420.00 \$1,140.00	\$193.60 \$901.55	44 4,482	
02/23/12	#	1 1		Waste flammable liquid	Hydrazine hydrate, toluene Hydrazine hydrate, toluene Hydrazine hydrate, toluene	Benzyl carbazate Benzyl carbazate	HAZ	BZC	Norlite Norlite	P040808001FGMS P040808001FGMS	008059043JJK 008059042JJK	Incineration	43520 41740	4,768 4,644		43,520 41,740	44,139 42,991	4,768 4,644	\$10,728.00 \$10,449.00	\$10,106.36 \$9,938.16	\$1,140.00 \$1,140.00	\$899.71 \$886.25	4,768 4,644	\$510,84
03/01/12	で	3	TO DESCRIPTION	"我们就是我们看到我们	Spent Carbon WWw/MCB	I commission of the second		BZC		P040808001FGMS		MINITED AND		4,046	es de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	31,880	31,921	4,046 W. al. (1)	\$9,103.50	\$6,867.68	\$1,140.00	\$640.61	4,046	77.74
03/01/12 03/15/12	\Rightarrow	1 6	<u> </u>	Hazardous waste solid	Spent carbon with MCB	D-Area water treatment D-Area	HAZ HAZ		Siemens Siemens	VDM-CHEMNY-WW VDM-SOLVNY-AF	002264261JJK 002264261JJK	Recycle	13500 350			13,500 350	13,500 350			\$9,066.27				\$9,066.27 \$0.00
	_	1 2		Non hazardous solid Waste flammable liquid Oil	Toluene, NaOH	Methanol/ Caustic from PT-		Cleanout	Bridgeport United Bridgeport United	0927DN4 1598FD2HFB	008344002JJK 008343718JJK	Incineration	2500		3,252	3,252 2,500	3,252 2,500		\$1,380.00 \$230.00	\$655.00	<u> </u>		6	
03/15/12	_	8		Residue	Used oil PTSI	PTSI	NON		Bridgeport United Bridgeport United	0926DLHN1 0928DN4	008343718JJK 008343718JJK	Incineration Incineration			888 4,903	888 4,903	888 4,903		\$150.00 \$1,840.00	\$122.00 \$1,528.00	\$294.00	\$23.52	8	\$140.00
	1	20		Waste flammable liquid	Used oil	de de ma saladad Taluana (Afro)		Waste oil Waste	Bridgeport United	0926DLHN1	008343718JJK	Incineration	40444		550	550	550		\$75.00	\$130.00			1	
	1	22		Waste flammable liquid		16 drums rejected, Toluene/MeOl- Toluene/MeOH		Process	Norlite	ST0045-02	008343719JJK	16 drums rejecte	10411			10,411 8,074	2,083		\$1,500.00					\$1,500.00
(5/12	T	1		Waste flammable liquid		Toluene/MeOH		Cleanout Process Cleanout	Norlite Norlite	ST0045-02	008343719JJK 008343719JJK	Incineration	8074			1,960	8,074 1,960		\$1,650.00 \$395.00					\$1,650.00
	_	6		Hazardous waste liquid Waste flammable liquid	Aqueous tank sludge	MH-1 silt water Neutralized DMF Residue	HAZ	Waste DMF	Norlite Norlite	ST-0151-03 ST-0233-02	008343719JJK 008343719JJK		1960 3000 4319			3,000 4,319	3,000 4,319		\$1,380.00 \$675.00		<u> </u>			\$395.00 \$1,380.00 \$675,00
03/29/12 03/29/12	7	4		Hazardous waste solid	Spent Carbon WW w/MCB Spent carbon with heptane	D-Area water treatment D-Area	HAZ		Siemens	VDM-CHEMNY-WW	002264262JJK	Recycle	16000			4,319	4,319		\$675.00					\$0,00
		15	0.7		· 然后,我们就是我的一个人的。				Siemens	VDM-SOLVNY-AF	002264262JJK	erg [4] [4]		數例公安	Section Section	APPENDE TOO					save den	er de la comp	order than the	
03/30/12 ##	111111	1		Waste flammable liquid Hazardous waste solid	HCI, Toluene	D-area	HAZ HAZ HAZ		Tradebe Treat&Recycl	P032812019PT153ST 2256ESTD2L	009239320JJK	Incineration	7808 520			7,808 520	7,808 520	0.050	\$1,125.00 \$75.00	\$6,375.00 \$495.00	\$224.00	\$17.92	45.505	\$5,250.00 \$420.00
04/17/12		3	-16 mg	The state of the s	化。然后,我就是他的人的人们		IM M			F0725039WTSMDI				Sand Sellin	A PROPERTY.			6,059		\$6,150.00	\$1,995.00	\$159.60		3 1/2/34/19:31
05/09/12	1	3		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment D-Area water treatment	HAZ HAZ		Siemens		002264265JJK	Recycle	12000 12000			11,970 11,280	11,970 11,280							\$0.00
		1			HCl, Toluene (Solvent Rag layer)	Lab non-reactive liquid PH<2	HAZ		Siemens Bridgeport United	VDM-TOLUNY-CP 2258ESTD2L	002264265JJK 008342955JJK	-	4000 400			1,184 400	1,184 400		\$275.00	\$261.00				
05/09/12		1			Toluene, NaOH (Scrubber Water)	Methanol + Caustic + Solvent	F	Process Cleanout	Bridgeport United	1598FD2HFB	008342955JJK		1871			1.871	1,871	-	\$275.00	\$655.00				
05/09/12		9		Non-regulated PTSI	PTSI residue	PTSI residue	NON			0928DN4	008342955JJK		5670		1	5,670	5,670		\$2,070.00	\$1,719.00				
##	4###	1		Non-regulated non-haz waste solids		2-CMBSI filters	NON			0927DN4	008342955JJK		236			236	236		\$230.00	\$161.00	\$210.00			\$156.00
05/		28	DM	Waste flammable liquid	Acetone, Toluene	Still bottoms, waste MeOH, PT-25 effluent		Mixed	Norlite	ST0045-02	008342956JJK		13811			13,811	13,811		\$2,100.00					
05/09/12		22	DF	Waste flammable liquid	Acetone Toluene	Still bottoms, waste MeOH, PT-25 effluent	HAZ s			ST0045-02	008342956JJK	Incineration	8756			8,756	8,756		\$1,650.00	\$3,050.00	\$1,134.00		50 drums	\$434.00
05/09/12 ##		31	DM I	Hazardous waste liquid Hazardous waste liquid	Aqueous tank sludge		HAZ HAZ		Norlite Tradebe Treat&Recycl	ST-0151-03 ST-0151-03	008342956JJK 009524029JJK	Incineration	9192			9,192	9,192		\$7,130.00	\$14,788.75		\$339.82	31 drums	\$7,658.75
05/02/12	<u> </u> _	29		Hazardous Waste Solid			HAZ		Clean Harbors	1378178-1	008342963JJK	Incineration	10123			10,123	10,123		\$6,670.00	\$5,075.00		J	ļ	
##		1		Waste flammable liquid		Hazardous waste Organics from PT-15	HAZ				008342963JJK		297			297	297		\$395.00	\$395,00				
	n 11 ff	1	1	iquid Naste toxic liquid, organic	Barium chloride solution, NaOH	Barium Chloride Lab pack	HAZ				008342963JJK		500			500	500		\$230.00	\$245.00	\$1,705.00	\$136.40	31 drums	\$1,580.00
		1	١	Naste corrosive liquid, lammable		Lab pack	HAZ HAZ		Clean Harbors		008342960JJK		17			17	17		\$89.00 \$89.00		j			
		1	1	Waste corrosive liquid,		Lab pack	HAZ HAZ		Clean Harbors Clean Harbors		008342960JJK 008342960JJK		11			11	11		\$89.00 \$154.50					
[1	1	Vaste corrosive liquid,		Lab pack	HAZ		Clean Harbors		008342960JJK 008342960JJK		9			9	9		\$89.00					
		1	1	Naste flammable quid, corrosive		Lab pack	HAZ	1	Clean Harbors		008342960JJK 008342960JJK		9			9	9		\$154.50	}	}			
		1	V	Vaste pyrophoric netals		Lab pack	HAZ		Clean Harbors		008342960JJK 008342960JJK		13			13	13		\$154.50					
		1	a	Vaste corrosive solid, icidic, organic		Lab pack	HAZ		Clean Harbors		008342960JJK		11			11	11		\$154.50					
		1	V	Vaste nitric acid Vaste flammable solid,			HAZ		Clean Harbors		008342960JJK		10			10	10		\$89.00					
	L	1	Jo	orrosive, organic		Lab pack	HAZ		Clean Harbors		008342960JJK	ncineration	7			7	7		\$89.00		-	1	1	l

_																141.453		ſ			cos	TS		
	m one One	oily	e vyore t Gonte	ol Waste Descriptio		VanDeMark (Product)	NON.	Waste Clentity	(G)	Approved Godle		Olsposal Malion	(M2West	edeaWSAN (enollary)	Meade Mondaz	Shipped	Red Weign (De	Republicant	स्वम्हर्वेष्ट संस्मास्ट	Actual Bilici Cost	प्रमाध्यक्षां		Weste Cly Bliggi	OHI Calver Estrejed
771.0.332.		1		Waste calcium hydrid Waste corrosive liqui	e	Lab pack	HAZ		Clean Harbors		008342960JJK		11	/ CENTAL /	///	11	11	/had hamb	\$154.50		32.0			
		1	+	waste allyl alcohol,		Lab pack	HAZ		Clean Harbors	<u></u>	008342960JJK	Incineration	17	 	-	17	17		\$89.00					
		2	 -	poison inhalation hazard Waste toxic by	 	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	15			15	15		\$1 <u>78.00</u>					
05/02/12	05/30/12	1		inhalation liquid, flammable	acryloyl chloride	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	5			5	5		\$89,00	\$4,216.76	\$550.00	\$125.08		\$1,389.76
				Waste toxic by inhalation liquid,		Lab pack										_	_							
		1	 	Waste amine, liquid, corrosive, flammable	3-chloropropionyl chloride	Lab pack	HAZ		Clean Harbors Clean Harbors	<u> </u>	008342960JJK 008342960JJK		22			22	22		\$89.00 \$129.00					
		1	‡=	Waste flammable liqu Waste toxic solid.	id	Lab pack	HAZ		Clean Harbors		008342960JJK		30			30	30		\$129.00					
		1	_	organic		Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	37			37	37		\$129.00					
		1	<u> </u>	Waste ammonia solution Waste methyl		Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	10	<u> </u>		10	10		\$89.00					
		1		chloroformate, poision inhalation hazard	1	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	5			5	5		\$89.00					
		,		Waste 1- hydroxybenzotriazole, anhydrous, wetted		Lab pack	HAZ		Ciara Harbara		0000400001116		13			13	13		\$154,50					
		1		Toxic solid, corrosive, organic		Lab pack	NON		Clean Harbors Clean Harbors		008342960JJK 008342960JJK		13		8	8	8		\$89.00					
		1		Corrosive solid, basic, organic		Lab pack	NON		Clean Harbors		008342960JJK				7	7	7		\$89.00					
		1		Toxic liquid, corrosive organic		Lab pack	NON		Clean Harbors		008342960JJK				6	6	6		\$89.00					
		1		Corrosive solid, toxic Non-regulated materia	1	Lab pack Lab pack	NON		Clean Harbors Clean Harbors		008342960JJK 008342960JJK	Incineration			7	7	7		\$89.00 \$89.00					
05/25/12		2 2	F		Spent Carbon WW w/MCB Spent Carbon WW w/Toluene	D-Area water treatment D-Area water treatment	HAZ HAZ		Siemens Siemens	VDM-CHEMNY-WW VDM-TOLUNY-CP	002264439JJK 002264439JJK	Recycle	8000 8000			9,094 3.683	9,094 3,683							\$0.00
		2		Hazardous waste solid	Spent Carbon WW w/MCB	PTSI vent sorb drum	HAZ		Siemens	VAN-VDMNY-AF	002264439JJK	Recycle	700	***************************************		546	546		6/ 1 3 1 3 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OSCIO PAGE		Constitution Nation	- 200 (VE-102)	
06/05/12		22		Nonregulated material (filter bags)	Filter bags with 2-CMBSA	ESPI filters/supersacks	NON			08-107	45418	Incineration	A 1990 (A 1992)		2,700	大学はないできるとはない。	2,700	7745A - X44 546	\$4,290.00	\$4,290.00	\$450.00	\$379.20	22	\$0,00
06/19/12		1	π		d TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ A	q Waste	Clean Harbors	CH33150WTSB	009813130JJK	Incineration	33860			33,860	33,860		\$6,089.93	\$7,019.09	\$1,425.00	\$134.74	4188 gal	\$929,16
06/21/12		4	TP	Nonregulated material (Xanthan gum/water)	Xanthan gum/water	Xanthan gum/water Aqueous waste from TBBA	NON		EQ Detroit	E1233181WTSDET	008342949JJK	<u> </u>			7,060	7,060	7,060		\$1,680.00	\$1,180.00	\$500.00	\$40.00		\$0.00
V12		1	TT	Hazardous waste liqui	TBBA/TBBHPF Aqueous Waste	Process	HAZ A		Clean Harbors	CH33150WTSB	009813129JJK		36460	Sear Comments	190	36,460	36,460		\$6,557.55	\$5,434.79	\$1,425.00	\$134.74		\$1,122.76
07/02/12		2			Spent Carbon w/MCB Spent Carbon w/MCB	D-Area water treatment	HAZ HAZ	;	Siemens Siemens	VDM-CHEMNY-WW VDM-SOLVNY-CP	002264440JJK 002264440JJK	Recycle	8000 3000			7,546 3,109	7,546 3,109							\$0.00
0770212					Spent Carbon w/MCB	PTSI vent sorb drum Aqueous waste from TBBA	HAZ		Siemens	VAN-VDMNY-AF	002264440JJK		700			318	318							
07/03/12		1	П	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process Aqueous waste from TBBA	HAZ A	y Waste	Clean Harbors	CH33150WTSB	009813128JJK	Incineration	35060			35,060	35,060		\$6,305.76	\$6,060.73	\$1,425.00	\$134.74	4203 gai	\$245.03
07/10/12		1	П	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process Aqueous waste from TBBA	HAZ A	q Waste	Clean Harbors	CH33150WTSB	009813127JJK	Incineration	40600			40,600	40,600		\$7,302.16	\$6,278.25	\$1,425.00	\$134.74	4882 gal	\$1,023.91
07/12/12		1	π	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process Aqueous waste from TBBA	HAZ A	Waste (Clean Harbors	CH33150WTSB	009813126JJK	Incineration	33920			33,920	33,920		\$6,100.72	\$4,317.73	\$1,425.00	\$134.74		\$1,782.99
07/19/12			•	Nonregulated material	TBBA/TBBHPF Aqueous Waste	Process	HAZ A	····		CH33150WTSB	009813125JJK		36020			36,020	36,020	5,327	\$6,478.42	\$6,019.51	\$1,425.00	\$144.60		\$966.09
07/19/12 07/24/12		42		(filter bags)	Filter bags with 2-CMBSA TBBA/TBBHPF Aqueous Waste	Empty MTSA supersacks Aqueous waste from TBBA Process	NON HAZ AG			08-107 CH33150WTSB	no tracking #	Incineration	4620 41800		2,700	4,620 41,800	4,620 41,800	4,764	\$8,190.00 \$7,517.99	\$8,190.00 \$5,383.32	\$450.00 \$1,425.00	\$696.30 \$141.20	42 boxes	\$0.00 \$709.67
07/26/12		<u>1</u> 8		Nonregulated material (filter bags)		Empty MTSA supersacks	NON NON			08-107	no tracking #	Incineration	41800 880			880	880	7,704	\$1,560.00	\$1,560.00	\$450.00	\$141.20		\$0,00
		2		Waste flammable liquid, corrosive	toluene, NaOH (scrubber water)	used methanol, NaOH		ocess		1598FD2HFB	008332444JJK		3893			3,893	3,893		\$550.00	\$655.00				
		1	DF	Waste flammable liquid, corrosive	Toluene, HCl (HCl solvent rag layer)			aste Juene E	Bridgeport United	2258ESTD2L	008332444JJK		430			430	430		\$275.00	\$261.00				
		1		Non regulated material Non regulated material		PTSI residue PTSI residue	NON	E	Bridgeport United	0928DN4	008332444JJK	Incineration	618			618	618 5.927		\$230.00	6404.00				
07/26/12	 	10 5	DM	Non regulated waste	Non haz solids	filters	NON NON			0928DN4 0927DN4	008332444JJK 008332444JJK		5927 770			5,927 770	770		\$2,300.00 \$1,150.00	\$191.00 \$161.00	\$350.00	\$41.60	25 drums	\$2,887.00
	Ŧ	3 16		Waste flammable liquid Waste flammable liquid		30% Heptanel 70% Aqueous mixed solvents, cleanout	HAZ SO		Vorlite	ST0045-02	008332445JJK	Incineration	5607			5,607 5,323	5,607 5,323		\$1,485.00 \$1,200.00					
07/26/12	******			Waste flammable liquid		Oil/MCB, ? Benzyl carbazate aqueous,	HAZ SO			ST0045-02 ST0045-02	008332445JJK 008332445JJK		5323 2436			2,436	2,436		\$525.00	\$1,586.00	·	\$29.12	26 drums	\$1,624.00
07/30/12	######				Hydrazine hydrate, toluene	Acueous waste from TBBA Process	BZ HAZ hy	drazine N	Vorlite	P040808001FGMS	008058187JJK	Incineration	39560	4,152		39,560	38,783	4,152	\$9,342.00	\$6,228.00	\$1,140.00	\$591.74		\$1,382.26
	j (i				CONTRACTOR OF THE PROPERTY OF		BZ	C-		<u> </u>									_	C to whole to				
08/02/12 # 08/03/12	#####	4		Waste flammable liquid Hazardous waste solid	Hydrazine hydrate, toluene Spent Carbon w/MCB		HAZ hy			P040808001FGMS VDM-CHEMNY-WW	008058186JJK 002264441JJK		35340 16000			35,340	35,362 13,560	4,077	\$9,173.25	\$6,115.50	\$1,140.00	\$593.04	4077 gal	\$1,324.71 \$0.0 0
08/08/12	_	20		Hazardous waste solid Waste corrosive liquid	PNRC-high pH		HAZ HAZ			1378178-1 1520812	009660609JJK	Incineration	5459 712			5,459 712	5,459 712		\$4,600.00 \$460.00	\$3,500.00 \$941.25_				
ł	""""	10		Waste toxic solid,	Amide Chloride		HAZ	c			009660609JJK		2250			2,250	2,250		\$5,950.00	\$4,800.00	\$1,760.00	\$140.80	32 drums	\$8.75
08/09/12		1			Hydrazine hydrate, toluene		BZ HAZ hyd	C- drazine N				Incineration	35340			35,340	35,419	3,826	\$8,686.76					
08/14/12	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ hyd	drazine N	lorlite I	P040808001FGMS	008058184JJK	Incineration	41080			41,080	41,181	4,572	\$10,287.00	\$9,509.76	\$1,140.00	\$856.18	4572 gal	\$362.76
08/17/12	******	1	TT	Waste flammable liquid	Hydrazine hydrate, toluene Methanol, Toluene (mixed	Benzyl carbazate aqueous	HAZ hyd	drazine N	Iorlite I	P040808001FGMS	008058183JJK	Incineration	22740			22,740	22,482	2,734	\$6,151.50	\$4,265.04	\$1,140.00	\$432.40	2734 gal	\$746.46
08/20/12		1	TT	Waste flammable liquid		4-TFMPI Toluene	Wa HAZ Tol		lorlite :	ST-0285-03	008055842JJK	Incineration	35860			35,860	35,302	4,832	\$3,140.80	[1	ľ	1

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		No.	a C.	10 S. S. S. S. S. S.			1. 1	11 1 No. 16	ON MARK WAS A	Her Carlot	Sale	.62%	e si sa Naji	ANDER E	NON MAZ	designation of the	6 P. S. S. C.	Red					WD graw	OM
Ship Date	invoice (Q)	IX,	ontai	Wasta Dasanpilon		/ VaiDeMath/Rectual	NON	Weste	TSDF (8)	Approvel@cclass	(Manifest)	Disposal) Method		HAZWaşte (gallons)	Water	Warington Warington	Red	Weight	Deposit	<u> </u>	The Control	Sales Tex	@00~0	halween Estimated
		S. C. S. S.	in in	u i falti chille si losi liki	Methanol, Toluene (mixed	4-TFMPI Toluene, Saltitin	KOK	Waste	\$2.00 (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	State of Figure 1	What we be with	R Internoo	(IDS)	%(∂ailoïiz)∛	interview.	rvveignt (tos)	i Aveiðiiri(in2)	Production of the last of the	i-emusic	Gilled Gost	100, 602			Fermirenan
08/21/12	1	1	TT \	Naste flammable liquid	aqueous/organic waste)	Toluene (50:50)	HAZ	Toluene	Norlite	ST-0285-03	008055841JJK	Incineration	39440			39,440	38,499	5,216	\$3,390.40					
30/12	1		TT	Vaste flammable liquid	Methanol, Toluene (mixed aqueous/organic waste)	Carbaester waste	HAZ	Carbaester	Norlite	ST-0285-03	008055843JJK	Incineration	40740			40,740	40,976	4,988	\$3,242.20				.	
F-30-2-12				A STATE OF THE STA	THE RESERVE AND A SECOND	A PROPERTY OF THE	- A			14 CAN 18 CA	公司工作中间	AND MARKET	WI SHAW A	OVER SECTION	TO SHOP A	A MANAGEMENT		Wat Disease	发发的图形	A. P. C.	7.000	AUTOM FE	Mark Back	
-				lazardous waste solid lazardous waste solid		D-Area water treatment PTSI vent sorb drum	HAZ		Siemens Siemens	VDM-CHEMNY-WW VAN-VDMNY-AF	002264442JJK 002264442JJK		12000			12,000 1,400	11,430 465						\longrightarrow	
	1	1	DM I	lazardous waste solid	Spent Carbon w/heptane	Busch pump	HAZ		Siemens	VAN-BUSPNY-AF	002264442JJK	Recycle	300			300	171							
09/04/12	4				Spent Carbon w/heptane and MeCl Spent Carbon w/heptane and MeCl		HAZ		Siemens Siemens	SII-VANLNY-AF	002264442JJK 002264445JJK		300 3000			300	977 2,865							
09/05/12	1			oluene to kodak		Generon process	ITIAZ		Sientens	SIL-VAREIVI-AI	002201443331	recycle	3000		45,240	3,000	2,003							
09/07/12			_ \	Nasta flammahla liquid	Methanol, Toluene (mixed aqueous/organic waste)	Carbaester waste	UAZ	Carbaester	Norlite	ST-0285-03	008055843JJK	Incineration	37880			37,880	37,980	5,119	\$3,327.14					
09/11/12	5			lazardous waste solid		D-Area water treatment	HAZ	Carbaester	Siemens	VDM-CHEMNY-WW		Recycle	20000			20,000	20,020	0,110	Ψ0,027.14					
		T			Mathematical Tables of the board	ADI			Norlite	DT 0005 03	008055845JJK													
09/11/12	1	1	TT \	Vaste flammable liquid	Methanol, Toluene (mixed aqueous/organic waste)	ADI xylene / misc solvents from waste pad (50:50)		Mixed solvents	Bridgeport United	ST-0285-03 1598FD2HFB	008055845JJK	Incineration	39880			39,880		5,524	\$3,590.30					
09/05/12	1	1	TT	oluene to kodak											40,920									
					Methanol, Toluene (mixed	97% vilsm heptane / misc solvents from waste pad	1	Mixed															1	
09/17/12	1				aqueous/organic waste)	(50:50)	HAZ		Norlite	ST-0285-03	008055843JJK		38500			38,500	38,778	5,132	\$3,335.80					
09/20/12	2	2	TP	lazardous waste solid	Spent Carbon w/MCB Methanol, Toluene (mixed	D-Area water treatment misc solvents from waste	HAZ	Mixed	Siemens	VDM-CHEMNY-WW	002264447JJK	Recycle	6000			6,000	7,594							
09/24/12	1				aqueous/organic waste)	pad, quarantine cage	HAZ S	solvents	Norlite	ST-0285-03	008055847JJK	Incineration	29760			29,760	37,824	4,604	\$2,992.81					
对。不得对对对			# MA	on-regulated material						CONTRACTOR OF THE PROPERTY OF	A PORTOR OF THE	CANCELLAND		P. D. No.		A VALLEY OF THE A		Weste Accruel	TAMAR DE	\$1.77.18.0		3.745	475 E 1878	
	1 12			lon-regulated material		Waste Oil PTSI residue	NON		Bridgeport United Bridgeport United	0926DLHN1 0928DN4	009660815JJK 009660815JJK				482 7125		482 7,125		\$230.00 \$2,760.00					
10/09/12	1			Ion-regulated Waste	Non-Haz Solids	Filters	NON		Bridgeport United	0927DN4	009660815JJK				116		116		\$230.00	-				
	1 4			íquids, Corrosive, IOS	Toluene, NaOH (Scrubber Water cont with oragnics)	Methanol, NaOH	HAZ		Bridgeport United	1598D2HFB	009660815JJK	Inciparation	990				990		\$655,00		' I			
-	12			iquid	cont war oragines/	methanol , xylene			Norlite	ST0045-02	009660814JJK		4483		·		4,483		\$900.00					
			DM L		1100 11 1101		HAZ E		Norlite	ST0045-02	009660814JJK		4587				4,587		\$750.00					
10/09/12	5			Vaste Chlorobenzene Iquid	Toluene with DEA	Methylene Chloride + Water			Norlite Norlite	ST-0400-03 ST-0148-02	009660814JJK 009660814JJK		2028 543				2,028 543		\$625.00 \$150.00					
			V	vaste Flammable			1 1																	
-	11			iquid Vaste Chlorobenzene	DMF with mixed solvents MCR with NDA	DMF with mixed solvents	HAZ V		Norlite Norlite	ST-0233-02 ST-0400-03	009660814JJK 009660814JJK		4524 630				4,524 630		\$825.00 \$250.00					_
			Divi	tudio officiosofficiale	MOD WATTEDA		I IAZ	101	Notifie	01-0-100-05	0090000140010	Incheration	000				030		Ψ200.00					
			- / 3 Jag	no Paris de la companya de la companya de la companya de la companya de la companya de la companya de la compa	(1) 10 mm (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		200	rate this end to be a	12. At mades to the 20-12 in 18th by	December 1 1 / 5 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	William Antara Service	W. W. Sec. 142. at	الدري والمرافق فيواد والا	C. Communication and C. S. C. P.	in 64 Noberton D	nya a handista'i . Ta 16 sekini	2020		e e la companya de la companya de la companya de la companya de la companya de la companya de la companya de l La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co	BENEFITANI S. STANS	and the same of the same of	Augustus and August and August	A Landon Street	Santification in a
10.14			26.2.2.2	April Species of Services Constitution		The country of the second section of the	7	a Stocker's week's I'm	· Personal Carrier	SANT STATE SANTAL SANTA	6.6-21-46-21-45-41-61-41	The second	dest a contract to the	Property and St. V.	A STANSON OF THE PARTY.	8 1 2 2 1 1 1 1 A 2 5 G	Let technological	Killiston 1943 Paril			A STATE	**************************************	ALGORA NIAN PORTO	A STATE OF THE STA
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Art Calebook													315703		5330		¥*\$259,923¥		\$150,055335			\$6,243,59		
GALS= LBS / S	SP GRAVIT											Tons total wa	157.853	321,036	5330	2824908 321,036	}**(259,923)***		\$150,05585	\$167,55		55;249,159		
GALS= LBS / S Waste Iden: % BZC	SP GRAVIT Solvent 100%	TY / 8.3	34	1	, , , , , , , , , , , , , , , , , , ,							Minus carbon	157.853 #REF!	321,036 Haz Waste Tor			Hay259,923 Ya		\$150,055;35			55;248459		
GALS= LBS / S Waste Iden: % BZC BZC-hydrazine	SP GRAVIT Solvent 100% e 2% To	TY / 8.3 & Toluen oluene	e .	1 0.02							2011 Total Es	Minus carbon stimated Tons	157.853 #REF! #REF!	Haz Waste Tor			¥39259,923***		\$150,055;35			- Teshavara		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester	SP GRAVIT Solvent 100% 2% To 100%	TY / 8.3	e .	1 0.02 1							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF!	Haz Waste Tor			1 1 1 2 2 5 9, 19 2 3 Vari		\$15005585			Fetsveter		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI	SP GRAVIT 5 Solvent 100% 2% To 100% 100%	TY / 8.3 Toluene Joluene MeOH Toluen Xylene	e . e	1 0.02 1 1							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			259,923 ¹		\$150,055,25			Febviries		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI	SP GRAVIT 5 Solvent 100% 2% To 100% 100% PI/MT 100% 100%	TY / 8.3 Toluene oluene MeOH Toluen Xylene MCB	e . e	1 1 1 1							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor					\$150/055835			Februite		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI CHDI PhCF	SP GRAVIT 5 Solvent 100% 2% To 100% 100% 100% 50% N 100%	TY / 8.3 Toluene MeOH Toluene Xylene MCB Toluen	e . e	1 1 1 1 0.5							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor					\$150/055835			. Februire		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD	SP GRAVIT 5 Solvent 100% e 2% To 100% 100% 100% 50% M 100% 50% M	TY / 8.3 Toluene MeOH Toluene Xylene MCB Toluen Toluene MCB MCB MCB	e . e	1 1 1 0.5 1							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor					\$150,055,25					
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF	SP GRAVIT 5 Solvent 100% 2 % To 100% 100% 100% 50% M 100% 50% M 50% M	TY/ 8.3 Toluene MeOH Toluene Xylene MCB MCB Toluen MCB Toluene MCB Toluene	e . e	1 1 1 0.5 1 0.5 0.5							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			?***259,923 1 ***		\$150;055;25			532/48[55]		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMP! 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF Waste oil	SP GRAVIT 100% e 2% To 100% 100% 100% 100% 100% 50% M 50% M 50% M 50% M	TY/ 8.3 Toluene MeOH Toluene Xylene MCB Toluen MCB Toluene MCB Toluene DMF	e . e	1 1 1 0.5 1 0.5 0.5 1 0.05							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor					\$150;055;25			562/48[55]		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMP! 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF	SP GRAVIT 100% 100% 100% 100% 100% 100% 50% M 100% 50% M 50% T 100% 50% M 50% M	TY/ 8.3 Toluene MeOH Toluene Xylene MCB Toluen MCB Toluene MCB Toluene DMF	e . e	1 1 1 0.5 1 0.5 0.5							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			?#\$\\259,923\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\$150;055;25			562/48[55]		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF Waste oil ADI still bottom: ADI Xylene	SP GRAVIT 5 Solvent 100% 100% 100% 100% 50% M 100% 50% M 50% T 100% 50% M 50% T 100% 150% X 100% 25% MC8	TY/ 8.3 Toluene Toluene MeOH Toluene MCB Toluene Toluene Toluene DMF Toluene DMF TOLUENE TOLUENE DMF TOLUENE T	e · · · · · · · · · · · · · · · · · · ·	1 1 1 0.5 0.5 0.5 0.5 0.5 1 0.05							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			?#\$\\259,923\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\$150;055;25			55322/83(55)		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPl 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF Waste oil ADI xill bottom: ADI Xylene Mixed solvents	SP GRAVIT 6 Solvent 100% e 20% 100% 100% 100% 100% 50% N 100% 50% N 100% 50% N 50% N 50% N 50% N 50% S 50% N 50% S 50% N 50% S 50% S 50% S 50% S 50% S	TY/ 8.3 Toluene foluen	e . e	1 1 1 0.5 1 0.5 0.5 1 0.05 0.5 1							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			289259,923 1		\$150,055325			562/48259		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF Waste oil ADI still bottom: ADI Xylene Mixed solvents Mixed solvents	SP GRAVIT 5 Solvent 100% e 2% To 100% 100% 100% 50% N 100% 50% T 100% 50% X 100% 5% X 100% 5% X 28 MeOH	Ty/8.3 Toluene MeoH Toluene Xylene MCB Toluene MCB Toluene DMF ICB Xylene Xylene Xylene Xylene Xylene Xylene Xylene	e . e	1 1 1 0.5 0.5 0.5 0.5 0.5 1 0.05							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			2.59,923 x		\$150,05535			562/48259		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPl 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste pMF Waste oil ADI still bottom: ADI Xylene Mixed solvents Mixed solvents Process Cleanc Waste Toluene	SP GRAVIT 6 Solvent 100% e 2% To 100% 100% 100% 50% N 100% 50% N 100% 50% N 50% N 100% 50% N 50% N 50% 100% 50% X 100% 50% X 2 MeOH 100% 6 2 100%	TY/8.3 Toluene Soluene	e . e ene, eine 50%	1 1 1 0.5 1 0.5 0.5 1 0.05 0.5 1 0.25							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			2.59,923 W		\$150,055325			562/48259		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste oil ADI still bottom: ADI Xylene Mixed solvents Mixed solvents Process Cleance	SP GRAVIT 5 Solvent 100% e 2% To 100% 100% 50% M 100% 50% N 50% N 50% N 50% N 50% N 50% N 50% S 50% N 50% S 50% N 50% N 50% N 50% S 50% N 60 N 60 N 60 N 60 N 60 N 60 N 60 N 60	TY/8.5 Toluene MeOH Toluene MCB Toluen MCB Toluene MCB Toluene MCB Toluene MCB Toluene MCB Toluene MF Toluene MF Toluene MF Toluene MF	e . e ene, eine 50%	1 1 1 0.5 1 0.5 0.5 1 0.05 0.5 1							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			2.59,923 W		\$150,055325			564248359		
GALS= LBS / S Waste Iden % BZC BZC-hydrazine Carbaester 4-TFMPI 2-CMBSI/ ESPI PTSI CHDI PhCF DBAD HEGCL Waste DMF Waste oil ADI still bottom: ADI Xylene Mixed solvents Process Cleanc Waste Toluene ACL	SP GRAVIT 5 Solvent 100% 2 100% 100% 100% 100% 50% N 100% 50% X 100% 55% M 100% 55% M 100% 55% X 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% M 100% 55% D 100% 55% D 100% 55% D	TY/8.5 Toluene MeOH Toluene MCB Toluene MCB Toluene MCB Toluene DMF MCB Toluene DMF MCB Toluene MCB Toluene MCB Toluene MCB Toluene MCB MCB MCB MCB MCB MCB MCB MCB MCB MCB	e . e ene, eine 50%	1 1 1 0.5 1 0.5 0.5 1 0.05 0.5 1 0.25							2011 Total Es	Minus carbon stimated Tons Tax Rate	157.853 #REF! #REF! \$130.00	Haz Waste Tor			2.59,923 W		\$150,05535			564248359		

1,589,660	200	7.240.24	3			1. 45 JAZE	,		7													
8166	nvçic		Typed	Weste Description		VenDellenkRomer	reg.												Hazardous V	Vaste Reduction Pla	an	
	Date		TIGHT.	incestanta antimon		perfered at	NON			1			Chemicals				Carbon			Off spec product	Lab Waste	Aq splits
					ordinates:	Territoria (Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Co	1		DMF	MCB	MeOH	Toluene	Xylent	MeCI	HCI I	он Sie	mens	Waste oil	Process Cleanout	Waste DMF	Lab pack	BZC-hydrazine
1/05/12		4		HAZARDOUS	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	1.50/gal >>Surcharge on CL2 end up pushign it to \$2.25/gal.	a	0	0	0	n				ا ،	0	o	o	0	م ا
19/12		1	1	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	passing it to \$2.25 gai.	0	0	Ö	0	0				0	0	Ö	0	ō	34635.6864
01/10/12		29		Nonregulated material (filter bags)	Filter bags with 2-CMBSA	2-CMBSI	NON	\$195/ea				,	0					0	0	o	0	0
01/11/12		2			Spent carbon with MCB	D area	HAZ	\$17J/64	7	6	6	0	0			8	109	0	0	0	0	o o
01/11/12		1		Hazardous waste solid	Spent carbon with heptanes	D area	HAZ		0	ų.	O.	Ü	0			2	544	0	0	0	0	0
01/12/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		0	0	0	0	0			}	0	0	o	o	o	35603,9604
						B					_						_			0		05400
01/26/12		1	132717	vvaste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		0	0	0	0	7,				0	0	0	0	0	35480 0
				30.102 31.001										· · · · · · · · · · · · · · · · · · ·								
02/02/12		1	ļ	Waste flammable liquid Nonregulated material	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		0	O	0	0	0				0	_ 0	0	0	0	37279.1328
02/03/12		12	,	(filter bags)	Filter bags with 2-CMBSA	2-CMBSI	NON		J	a	Ü .	U	0				0	o	0	0	0	0
02/02/12		1	ļ		Spent Carbon WW w/MCB Spent carbon with MCB	D-Area water treatment D-Area Acid treatment	HAZ		0	0 G	0	Ü Ü	0		\rightarrow		181 795	0	0	0	0	0
02/02/12		1			Spent carbon with heptanes	D-Area vapor treatment	HAZ		-1	0	0	0	0				55	0	0	ō	0	0
02/08/12		1			Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		0	0	0	0	0				0	0	0	0	0	37027.6818
02/07/12		15	 	Hazardous waste solid Waste flammable liquid	4-TFMPI residue, toluene	4-TFMPI	HAZ	27K acrued in 2011	0	<u>(1</u>	0	ů v	0				 	0	0	0	0	0
02/07/12		1		Waste flammable liquid	4-TFMPI residue, toluene	4-TFMPI	HAZ		0	G	0	0	0				0	0	0	O	0	0
02/07/12 02/16/12	ļ	1			Amide chloride, lauroyl chloride Hydrazine hydrate, toluene	chloride Benzyl carbazate	HAZ		0	0	0	0	0				0	0	0	0	0	0 41865.4656
02/21/12		1	<u> </u>	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		0	0	0	0	0				0	0	0	0	0	44139.2832
02/23/12 02/28/12		1			Hydrazine hydrate, toluene Hydrazine hydrate, toluene	Benzyl carbazate	HAZ		0	0	. 0	0	0		$-\Gamma$	~	0	0	0	0	0	42991.3656 31921.48344
02/20/12	Server.	10年1月	No.	AND AND AND AND AND AND AND AND AND AND	N. P. San St. Comp. March 1979		1 to 1 to		0	Ų.	i i	0	Ų				0	0	0	0	0	0
03/01/12		3		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water trealment D-Area	HAZ HAZ		U 0	d	υ U	0.0	0				500 50	0	0	0	0	0
03/01/12		6			Spent carbon with MCB Drilling mud	U-Area	NON		ů ů	- U	<u></u>	0	0				0	0	0	0	0	0
		1		Waste flammable liquid	Toluene, NaOH	Methanol/ Caustic from PT-1	HAZ		0	0	0	0	0				0	0	2500	0	0	0
03/15/12		8		Oil Residue	Used oil PTSI	PTSI	NON		0	44.4 4903	0	0	0				0	888 0	0	0	0 	0
		1		Oil	Used oil	1 101	NON		Ö	27.5	0	0	0				0	550	0	0	0	0
		20		Waste flammable liquid	Acetone Toluene	16 drums rejected, Toluene/MeOH	HAZ] ,	0	0	o	0		1	-		,	2083	.	D	o
									<u> </u>													
∩3/15/12		22		Waste flammable liquid	Acetone, Toluene	Toluene/MeOH	HAZ		0.	0	0	-0	0				<u> </u>	0	8074	0	0	0
•		1		Waste flammable liquid		Toluene/MeOH	HAZ		O	0	a	0	0				0	0	1960	0	0	0
		6 9		Hazardous waste liquid Waste flammable liquid		MH-1 silt water Neutralized DMF Residue	HAZ HAZ		- 0 4319	0	0	0 0	0				0	0	0	4319	0	0
03/29/12		4			Spent Carbon WWw/MCB	D-Area water treatment	HAZ		Q Q	()	<u> </u>	(.	0	-			0	0	0	0	0	ő
03/29/12	1.	1			Spent carbon with heptane	D-Area	HAZ		0	0	O Č	0	0				0	0	0 0	0	0	0
navanta		15		Waste flammable liquid			HAZ		υ	0	0	g ji	0				0	0	0	0	0	Ö
03/30/12	######			Waste flammable liquid		D	HAZ		0 9	G	D	j j	0				0	0	0	0	0	0
03/09/12		1		Hazardous waste solid	Solids with organics	D-area	HAZ		6	1 0	0	e 5	, ·				0	0	0	0	0	0
04/17/12		3		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment	HAZ		1,	2	Ú	-0	0				970	0	0	0	0	0
05/09/12		3			Spent Carbon WW w/MCB Spent Carbon WW w/Toluene	D-Area water treatment D-Area water treatment	HAZ HAZ	•	<u>- 6</u>	i) Ö	- ()	- 0	0				280 84	0	0	0	0	0
						Lab non-reactive liquid									- 1			_	_		_	_
		1	DF	Waste flammable liquid	HCI, Toluene (Solvent Rag layer)	PH<2 Methanol + Caustic +	HAZ		<u> </u>	- Q	Û		0				-	0	0	0	0	0
05/09/12		1			Toluene, NaOH (Scrubber Water)		HAZ		0	0	0	0	0				0	0	1871	0	0	0
		9		Non-regulated PTSI Residue	PTSI residue	PTSI residue	NON		а	0	, I	,	0		1	1 .	,	0	o	0	o	0
				Non-regulated non-haz					-													
	#####	1	DM	waste solids		2-CMBSI filters Still bottoms, waste MeOH,	NON		-3-	9	IJ	<u> </u>	D				-	0	0	0	0	0
		28	DM	Waste flammable liquid	Acetone, Toluene	PT-25 effluent	HAZ		. 0	3452.75	3452.75	0						0	13811	0	0	0
05/09/12		22	DF	Waste flammable liquid	Acetone Toluene	Still bottoms, waste MeOH, PT-25 effluent	HAZ		0	2189	2189	o	0	l			,	0	8756	0	0	0
65.00	,,,,,,,	31	DM	Hazardous waste liquid	Agreens tank eludan		HAZ		Ō	ð	0	0	0					0	0	0	0	0
05/09/12	111111111	31	DI4.	Hazardous waste liquid Hazardous Waste		Plant samples, effluent	HAZ		0	()	- 2	<u>0</u>				 '		-° 	0		0	U
PE 105114		29		Solid		waste filters	HAZ		- 0	g	<u> </u>	d	0			'	<u> </u>	_ 0	0		00	0
05/02/12		1		Waste flammable liquid	BzCarb solids, toluene	Hazardous waste Organics from PT-15	HAZ		0	ŋ	o I	0	0			- -	,	o	0	0	. 0	0
	<i>!!!!!!!!</i>	1		liquid		Barium Chloride	HAZ		0	Ù	0	0	0)	0	0	0	0	0
		1		Waste toxic liquid, organic		Lab pack	HAZ.		. o	υ	۱,	o J					,	o	0	0	17	o
	ľ	,		Waste corrosive liquid,		Lab pack					0	0			1		$\overline{}$	0	0	0	11	0
	ŀ	1		flammable Waste corrosive liquid,			HAZ		0	<u> </u>		<u> </u>				 '	- 	 				
,	1	1		acidic, organic Waste corrosive liquid,		Lab pack	HAZ		0	<u>u</u>	0	0)		0	0	9	
		1		toxic		Lab pack	HAZ		o	G	y .	0	0)	_0	0	0	9	00
	ſ	4		Waste flammable		Lab pack			a	0	0	0					, T	0	0	0	9	0
	ŀ	1		liquid, corrosive Waste pyrophoric		Lab pack	HAZ						- U			 -						
	,	1		metals Waste corrosive solid,		<u> </u>	HAZ		Ö	٥	0	. 0	- 2				} 	-0	0	0	13	0
		1	,	acidic, organic		Lab pack	HAZ		a -	Q	0	0	<u>0</u>					0	0	0	11	0
	ļ	1		Waste nitric acid Waste flammable solid,			HAZ		0	0	0	0	- 7		- -		<u> </u>	0	0	0	10	0
		1		vvaste flammable solid, corrosive, organic		Lab pack	HAZ		<u> </u>	ō	0	0						0	0	0	7	0
•						•		•														

			Typeo	No. april 10 de la company		VeniDelMents (Proclus)	ئىد		1						,—————————————————————————————————————					
Since	e Invoic Date	COM	Conti	Weste Description		. With the future of the futur	NON	े शताताताताताताताताताताताताताताताताताताता			F D	D	Obil-	····				Waste Reduction P		
(3.00 m; -1.5)	S. P. Silvani	1	i ner	Waste calcium hydride		Lab pack	HAZ			13	Form K	Reportable	Chemicals		Spent Carbo	on O	Waste solvents	Off spec product	Lab Waste	Aq splits
			 	Waste corrosive liquid,			ITAZ		<u> </u>	U.	 	 	- <u>'</u>		, U	 '	 	0	!!	
		1		acidic, inorganic	1	Lab pack	HAZ		1 3	9	9	,	0	1 1	o	1 0	l o	0	17	ه ا
	1			Waste allyl alcohol,																
	-	١ ـ		poison inhalation		Lab pack						}		1 1						
1		2	-	hazard Waste toxic by	 	ļ	HAZ			1)					0		0	0	15	00
				inhalation liquid,		Lab pack			ļ.				i							i
05/02/12	05/30/12	1		flammable	acryloyl chloride	Lub Pack	HAZ		,,				.a		0	0	l 0	0	5	l o
				Waste toxic by					<u>-</u>											
		١.		inhalation liquid,	L	Lab pack	l I		1											1
	ļ	1	+	Corrosive Waste amine, liquid,	3-chloropropionyl chloride		HAZ		0	0		9	- 0		0		0	0	5	0
		1		corrosive, flammable		Lab pack	HAZ			6	Δ.		., I		0	١ ،	0	0	22	1 0
		1		Waste flammable liquid	1	Lab pack	HAZ		5	Ö	-3	Ü			0	0	 0	Ö	30	ŏ
				Waste toxic solid,		Lab pack					- ' '									
		1	ļ	organic		Lab pack	HAZ		j	- C	- 3	ن			0		0	0	37	0
		1		Waste ammonia solution		Lab pack	HAZ		ن ا			,	,	1 1	0	ا ه	0	0	10	٥
			 	Waste methyl			n/42		1 2	0	- V					 	 	-	10	
	1			chloroformate, poision		Lab pack				1						j	1			1
		11	<u> </u>	inhalation hazard		<u> </u>	HAZ		. ,	<u>:</u>	.,	:			0	o	0] 0	5	o
				Waste 1-								_						į į		
		1		hydroxybenzotriazole, anhydrous, wetted		Lab pack	HAZ							1 1	0			_	42	ا ا
	Ι.		 	Toxic solid, corrosive.		+	HAZ		2		3."					 0 _		0	13	0
		1 1		organic	İ	Lab pack	NON		a a	6	,	::	,	1 1	1 0	1 0	1 0	1 0 1	8	o
				Corrosive solid, basic,		Lab pack											 			
		1	 	organic		Lab hack	NON		<u> </u>			1	<u></u>			0	0	0	7	0
		4	1	Toxic liquid, corrosive,		Lab pack	[l				i	1		1 1	_	1 _		_	_	_
		1	 	organic Corrosive solid, toxic		Lab pack	NON NON			 	9	C	0		0		0	0	<u>6</u> 7	0
		1	†	Non-regulated material		Lab pack	NON			- A	- S	\$1 \$4	<u> </u>			0	0	0	11	0
	L	2		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment	HAZ		ļ		· · · · · ·	:	0		9094	0	0	ö	0	0
05/25/12		2		Hazardous waste solid	Spent Carbon WWw/Toluene	D-Area water treatment	HAZ		10		8'	i i	0		3583	0	0	0	0	0
		2			Spent Carbon WW w/MCB	PTSI vent sorb drum	HAZ			, "	1,	0	0		546	0	0	O	0	0
Bet & compared	(37.55)	1.37	1 3 20		A THE SECOND PORTS	The second secon	X 24		:	3	Ų.	[0	0	0	0	0	0
DO (DE (4.2	1		} ;	Nonregulated material (filter bags)	Filter have with 2 CMBSA	ECDI Ellero (e. marre ele			1 . :	1	1				1 -	1 -		1 . }		
06/05/12	+	22	 	(iller bags)	Filter bags with 2-CMBSA	ESPI filters/supersacks Aqueous waste from TBBA	NON			- 13					0	│	0	0	0	00
06/19/12	1	1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process	HAZ I	solids surcharge 7%	0	l o	0				0	0		0	o I	0
				Nonregulated material												 	 			
06/21/12		4	TP	(Xanthan gum/water)	Xanthan gum/water	Xanthan gum/water	ИОИ			12					0	0	0	0	0	0
						Aqueous waste from TBBA											T			
19/12	1	1	П	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process	HAZ :	solids surcharge 1%	0	0	0					0	0	0	<u>o</u>	0
. —		2		Hazardous waste solid	Spent Carbon w/MCB	D-Area water treatment	HAZ			9	12		0		7546	0	0	0	0	0
07/02/12		1	 	Hazardous waste solid		HCI	HAZ			C C		\rightarrow	0		3109	1 0	0	0	- 0	0
		1	1	Hazardous waste solid		PTSI vent sorb drum	HAZ	***					o		318	1 0	0	0	<u>ö</u>	0
						Aqueous waste from TBBA										1				
07/03/12		1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process	HAZ	olids surcharge 4%	0	0	0				0	0	0	0	. 0	0
			_		TDD 4 5001105 4 144 4	Aqueous waste from TBBA												_		
07/10/12		1_	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process	HAZ	olids surcharge 2%	0	0	0					0	0	0	0	0
07/12/12)	1		Hazardous waste liquidi	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ			a	0				1 0	1 0		0	0	0
07712712	<u> </u>			Trazardous reusto riquio	TEEF TEEFIT Addeductivaste	Aqueous waste from TBBA	I IAZ		-							 		-		<u> </u>
07/19/12	#####	1	11	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Process	HAZ			0	0				0	1 0	0	0	o l	0
				Nonregulated material				•						•		1				
07/19/12	#####	42	CF	(filter bags)	Filter bags with 2-CMBSA	Empty MTSA supersacks	NON		<u> </u>	12					0	0	0	0	0	0
07/24/12			17	lta-a-d	TDDA EDDI IDE A West-	Aqueous waste from TBBA			1 . 1	_	_				1 .	1 .		_	_ 1	_
0//24/12	#####	1	11	Nonregulated material	TBBA/TBBHPF Aqueous Waste	Process	HAZ		0	0	0				0	<u> </u>	0	0	. 0	0
07/26/12	_{#####}	8	CF		Filter bags with 2-CMBSA	Empty MTSA supersacks	NON		,. I	.,					ا ا	0] ,	o J	0	0
31,20,12		<u>_</u>		Waste flammable			.,5,1		 " 	ы					-	 	-	-	-	<u>~</u>
		2	TP		toluene, NaOH (scrubber water)	used methanol, NaOH	HAZ		0	0					0	0	3893	0	0	00
	[Toluene, HCI (HCI solvent rag															
		1			layer)	DTCI residue	NOT		0	0					0	0	430	0	0	0
		<u>1</u> 		Non regulated material Non regulated material			NON								0	0	0	0 0	0	0
07/26/12	#####	5		Non regulated waste			NON		 						0	0	0	0	- 5 - +	0
3,,,20,,72	1	3		Waste flammable liquid		30% Heptane/ 70% Aqueous									0	0	6	0	0	0
		16	DF	Waste flammable liquid	Acetone, Toluene	mixed solvents, cleanout	HAZ		J						0	0	5323	Ö	ō	ō
07/26/12	#####			Waste flammable liquid		Oil/MCB, ?	HAZ								0	0	0	0	0	0
						Benzyl carbazate aqueous,	\neg													
07/30/12	,,,,,,,,,,	1	<u></u> ,	Masta flammable lie ::-	Underging budgets to be a	Aqueous waste from TBBA			_	_					1 -	_	<u> </u>	_	_	_
07/30/12	######################################		1	vvaste naminable liquid	Hydrazine hydrale, toluene	Process	HAZ		0	0	0				0 0	0	0	0	0	
* \$450° + 250°		A A	W. 546	AND THE STATE OF T		THE RESERVE AND THE PARTY OF TH	100		 							+				
08/02/12	#####	_ 1	TT	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ		0	0	0				0	0	o	0	o	o
08/03/12		4		Hazardous waste solid			IAZ		0			9	0		13560	0	ō	0	ō	0
						Plant samples, process			1											
00.000		20		Hazardous waste solid	numa		-IAZ								0	0	0	0	0	0
08/08/12		2		Waste corrosive liquid	PNBC-high pH	PNBC Still Bottoms	HAZ								0	0	0	00	0	0
'	######	40		Waste toxic solid,	Amido Chlorido	Vilomojor					j		l		1 -	ایا	0	o l	_	•
	*******	10	마	corrosive, organic	Amide Chloride	Vilsmeier	HAZ		 			I	ı	1 1	O		ų ,	· · · · · · · · · · · · · · · · · · ·	0	0
08/09/12		1	П	Vaste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ		0	0	ا ہ					,	0	0	0	o
									 	 +					1	 				
08/14/12	#####	1	π_\	Naste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ	İ	0	0	0				0	0	0	0	0	o
	I																			
08/17/12	######################################	1	TT \		Hydrazine hydrate, toluene	Benzyl carbazate aqueous	IAZ		0	0	0				0	0	0	0	0	0
08/20/12		4	₋		Methanol, Toluene (mixed aqueous/organic waste)	4-TFMPI Toluene	1AZ			}	- 1				0		25204 64000	o	0	0
50720112	· · · · · ·			munimarie inquidi		T T WILL TOIGOTIG	٠٨٢		<u> </u>						<u> </u>	0	35301.81888			<u>.</u>

300000	DOM:	2 may 2 may	AG ·	Program in services	Ingerio		1	T	7													
	invois		йурес	Allegaria de la	Methanol Toluene (mixed	VanDawatki Apotoci	10/2	Manufatta de la constanta de l											Hazardous \	Vaste Reduction P	lan	
	y Daje	ALC: U	- Popular	A secretaria and a second of the con-	Light albeits		NO	4			Form R	Reportab	le Chemicals				Spent Carbon		Waste solvents	Off spec product	Lab Waste	Aq splits
			11:45		Methanol, Toluene (mixed	4-TFMPI Toluene, Saltitin		<u> </u>			1	T										
08/21/12		1	TT	Waste flammable liquid	aqueous/organic waste)	Toluene (50:50)	HAZ			<u> </u>		1					0	0	38498.7744	0	0	0
		Ι.			Methanol, Toluene (mixed		1					1					_					
7/30/12	100 000	1 1	TT		aqueous/organic waste)	Carbaester waste	HAZ]			ļ						0	0	0	0	0	0
4.020	18 S. C. C.	3	P.C. P.	Hazardous waste solid	CONTRACTOR OF THE PARTY OF	D-Area water treatment	2.2	4		, ,,		4	1	ſ	ļ		0 11430	0	0	0	0	0
	-	2		Hazardous waste solid		PTSI vent sorb drum	HAZ			-		-					465	0	0	0	0	0
	-	1	DM		Spent Carbon w/heptane	Busch pump	HAZ				 	┨					171		0	0	0	
	\vdash	4			Spent Carbon w/heptane and MeCI		HAZ		-		 	┪┈	1	r			977	-	0	0	0	0
09/04/12		1	TP		Spent Carbon w/heptane and MeCl		HAZ		0	0	0	1	•	•	ı		2865	0	0	ŏ	0	0
09/05/12	†	1	TT	Toluene to kodak			1:-	1		† <u>`</u>	 	1					0	0	0	ō	0	0
	1		1		Methanol, Toluene (mixed			7.		1	1	1										
09/07/12		11	П		aqueous/organic waste)	Carbaester waste	HAZ]	L			J					0	0	0	0	0	0
09/11/12		5	TP	Hazardous waste solid	Spent Carbon w/MCB	D-Area water treatment	HAZ	1]					20020	0	0	0	0	0
					l			a pH of <2.0. As such, it will be re-				1					□					
2014112		١.,	I		Methanol, Toluene (mixed	ADI xylene / misc solvents		directed to the Bridgeport United	L	ļ	<u> </u>	4					0	0	0		. 0	0
09/11/12 09/05/12	<u> </u>	1		Waste flammable liquid Toluene to kodak	aqueous/organic waste)	from waste pad (50:50)	HAZ	Facility		-		1					0			-	<u> </u>	
08/05/12	 	 '- -	 ''- -	Toluette to kouak		97% vilsm heptane / misc	+	1		 		1					<u> </u>	0	0	0	0	0
li					Methanol, Toluene (mixed	solvents from waste pad											1					
09/17/12		1	тт	Waste flammable liquid	agueous/organic waste)	(50:50)	HAZ		I	1		1					0 1	0	38777.59728	o	0	
09/20/12	1	2	TP	Hazardous waste solid	Spent Carbon w/MCB	D-Area water treatment	HAZ	1		1		1				i	7594	0	0	0	0	ō
			1		Methanol, Toluene (mixed	misc solvents from waste	1	1				1										
09/24/12	<u>. </u>	1	TT		aqueous/organic waste)	pad, quarantine cage	HAZ]			<u> </u>						0	0	37824	0	0	0
化 数据			10.55	2.20	NAME OF THE OWNER OF THE OWNER, WHEN THE OWNER, WHEN THE OWNER, WHEN THE OWNER, WHEN THE OWNER, WHEN THE OWNER,)				I				0	0	0	0	0	0
		1		Non-regulated material		Waste Oil	NON			<u> </u>		1					0	482	0	0	0	0
10/09/12		12		Non-regulated material Non-regulated Waste	Non-Haz Solids	PTSI residue Filters	NON		ļ		ļ	4										
10/09/12	<u> </u>	1	DM		Toluene, NaOH (Scrubber Water	Hiters	NON	4	ļ	ļ	ļ	-				Į						
		۱ ،	TP	NOS	cont with oragnics)	Methanol, NaOH	HAZ															
		12		Liquid			HAZ	1	· · · · · · · ·	1		1				ŀ					***************************************	
		10		Liquid		methanol , xylene	HAZ					1				ŀ					***************************************	
		5		Waste Chlorobenzene	MCB with NDA	Methylene Chloride + Water			1	 		1										
10/09/12		2		Liquid	Toluene with DEA		HAZ	1		1		1				1	1	_				
H				Waste Flammable			1	1		 		1				Ì						
		11	1	Liquid	DMF with mixed solvents	DMF with mixed solvents	HAZ]				l						
		2	DM	Waste Chlorobenzene	MCB with NDA		HAZ	1]				[
	ļ		!				ļ	1	<u></u>	<u> </u>						ļ						
in the second			a construction	in the first of the said of the said of		N 10 16 6 A 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 2 7 7 7 7					<u> </u>	,									
Silver State Co.	,85. v . 7	77 Vol. 12 8	7 (2)		AND DESCRIPTION OF A SECOND	PROPERTY OF STREET	10 Cent		9	5,1	ń	ļ		L		- -	0	0	0	0		0
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	Children	बार कालक उरा					1			7)	9	j				Į						
GALS= LBS								Norlite	1													
GALO-LDO	, 3F G	AMVIII /	0.34					NOTHE														

0.02

GALS= LBS / SP GRAVITY / 8.34

Waste Iden % Solvent
BZC 100% Toluene
BZC-hydrazine 2% Toluene .
Carbaester 100% MeOH
4-TFMPI 100% Toluene
2-CMBSI/ ESPI/ M1 100% Xylene
PTSI 100% MCB
CHDI 50% MCB
PhOF 100% Toluene
DBAD 50% MCB
HEGCL 50% Toluene
Waste DMF 100% DMF
Waste oil 5% MCB
ADI still bottoms 50% Xylene
ADI Xylene 100% Xylene

Mixed colvente 25% MCB, 25% Toluene 0.5 1 0.5 0.5 1 0.05 0.5 1 ADI Xylene 100% Xylene, 25% Mole, 25% Toluene, 25% Mole, 25% Toluene, 25% Mole, 25% Toluene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 50% Xylene, 25% MeCI 25% Mole, 25% Mo 0.5 1 1

0.05 1 0.05

Norlite Bridgeport Clean Harbors

Tons

Ship Date 1000 Contai Waste Description	Gamm=n76व्द्र€?			Hazardous Waste Reduction Plan	·	
MON		Form R Reportable Chemicals	Spent Carbon	Waste solvents Off spec product	Lab Waste	Aq splits

DO NOT NEED TO SEND NON REGULATED MANIFEST OUT
L = LANDFILL
B = INCINERATIION
T = TREATED
R = RECYCLE

	Waste Description	Profile ID / Approval Code	Unit of measure	Pric	e per unit	Total with up-charges notes
1	BzCarb Aqueous waste for incineraction	P04080800FGMS	gallon	\$	1.50	\$2.25 Chlorides
2	2-CMBSA empty super sacks		ea (per cyb)	\$	195.00	\$195.00
3	Generon aqueous waste		gallon	\$	1.13	1425+price per unit
4						
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29

Monthly summary

Tons Waste **Estimated Yearly total** January #REF! #REF! February #REF! #REF! March #REF! #REF! April #REF! #REF! May #REF! #REF! June #REF! #REF! July #REF! #REF!

August September October November December

Total #REF!

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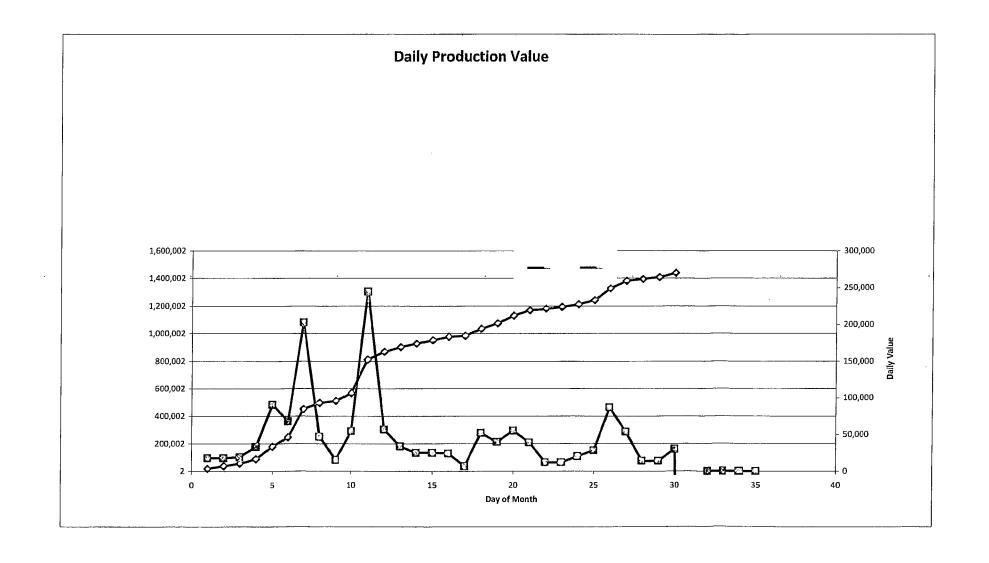
September 2012 Product Inventory Last updated

10/1/2012

Note: Final numbers to come from a	accounting month	end close.		Inventory		Inventory			Variances		Value of	production			
Product	Prod code	Target rate	Prod/ Transfers	вом	Shipment / Usage	EOM	Physical Check	Unit	Rework/Off-spec	Comments	\$/unit	Total \$	% of total	Change in Value	Value at month end
Phosgene SHIPMENTS	S:				154000)			 		,,,,,,,,				
Phosgene tons	100-2000	1600	565,924.0	90,182	1		215,100	lbs.	0.0	Cycle counted;	0,751	\$209,523	14.54%	\$ 93,838	161,58
Phosgene 95 lbs cylinders	100-0095/96/97		665.0						0.0	Cycle counted; 15 x 95 lbs	0.751	\$500	0.03%		
Phosgene 7.5 lb cylinders	100-0007.5		25.0	45	25.0	45.0	37.5	lbs.	(7.5)	Cycle counted; 5 x 7.5 lbs.	0.751	\$19	0.00%	\$ -	T :
PTSI @ Lockport	100-600	125	0.0					lbs.	(233973.0)		2.975		0.00%		696,1
PTSI PURCHASED PTSI Europe warehouse	200-600 102-601/602	125	0.0		0.0		ļ	lbs.	0.0	No movement	3,610	\$0	0.00% 7.88%		290,20
DDI	100-721/722	125	17,325.0 60933	39,745 0.00			7893	Kgs	0.0	Cycle counted: 2 x 2040 lbs & 1 x 1773 lbs	6,559 2,550		10.78%		
	100-7211722	 	80333	0.00	53040	7093.0	7053	BS	0.0	No movement; Precuts (1059011): 3 drums = 1071 lbs (K-40647)	2.330	\$100,049	10.7070	Ψ 20,120	20,12
CHDI	100-122		0	0.00	0	0.0		lbs	0.0	& 1 drum = 88 lbs (K-40644) Not inventoried.	72.932	\$0	0.00%	\$ -	
										No movement; 1 x 450 lbs & 1 x 127 lbs of pre-cut in E-1. 6 drums					
ADI 4-TFMPI	100-731 100-902		0	0.00	0	0.0		lbs	0.0	of ADI still bottoms & 2 drums of cleanout ADI xylene.	9.810		0.00%		
4-1 FIVIP)	100-902		0.0	0.00		0.0		Kgs	0.0	No movement	6.000	\$0	0.00%	* -	
Amide Chloride	100-400	1 = 71 2= 53	0.0	0.00	0.0	0.0	-	V~	0.0	No movement;	8.032	\$0	0.00%	e	
Vilsmier 95%	100-401	1 = 55 2 = 41		24090	8100.0		29850		0.0	Cycle counted; 995 x 30 kg.	8.032	\$111,324	7.72%		239,75
Off spec 95% vilsmeier	150-401	1 - 33 Z - 41	13,860.0	24090			∠9850		0.0	No movement:	5.911	\$111,324	0.00%		239,73
Off spec 97% vilsmeier	150-402		0.0	0	0.0		 		0.0	No movement;	7.719	\$0	0.00%		<u> </u>
Vilsmier 97%	100-402	1 = 55 2 = 41	0.0	4125	2200.0		 	Kg	(1925.0)	77 x 25 kg drum.	16,418	£0	0.00%		31,60
	1.00 10-		0.0	4125	2200.0	1929.0	 	ı'\y	(1925.0)	17 AZO NG GIGHT.	10.418	\$U_	0.00.3	(30,120)	, 31,00
Avenal 1525	100-100	20	0.0	0.00	0.0	0.0		lbs	0.0	No Movement	1.090	\$0	0.00%	\$ -	
Avenal 925	100-099	20	0.0		0.0			lbs	(2037.0)	No movement; heel in E-2. 1 @ 2037 lbs.	2.366	\$0			4,81
Avenal N-374	100-101	20	0.0	940.00	0.0			lbs	(940.0)	No movement; heel in E-2. 1 @ 940 lbs	2.264	\$0	0.00%	\$ -	2,12
BCF: Dbad + Benzylcarb + Sales	100-120	104	0.0	128446	0.0			lbs.	(128446.0)	290 x 200 kg & 1 x 104 kg & 1 x 158 kg	1.897	\$0	0.00%		243,68
BCF Sales only BCF Europe warehouse	100-121	400	0.0	58000		58000.0		Kgs	(58000.0)	Keep Inventory value at \$0. For tracking only	0.000	\$0	0.00%		25,09
Secoutyl CF	102-120 100-160	100 100	0.0	6000 6803	0.0 0.0	6000.0 6803.0		Kgs lbs.	(6000.0) (6803.0)	Cycle counted; 30 x 200 kg No movement; 15 x 200 kg & 1 x 86 kg (Reefers)	4.183 2.928	\$0 \$0	0.00%		19,91
N-Pentyl CF	100-903	100	20,477.0	35000	8000.0	47477.0	47477		0.0	Cycle counted; 237 x 200 kg & 1 x 77 kg	5.952	\$121,869	8.46%		
Ethyl CF	100-904		0.0	3501	0.0	3501.0		Kgs		4 x 200 kg & 4 x 20 kg. E-1 cool room.	12.326	\$0	0.00%		43,15
PCF	600-156		0.0	0.00	0.0	0.0		lbs.	0.0	No movement	0.000	\$0	0.00%		
PNBC Via PCF	100-156	120	0.0	48,971	45000.0	3971.0		lbs.		Will cycle count in October	3.670	\$0	0.00%		
Acticryl CI - 1039 DIDCC	100-108	178	0.0	5182.2 0	0.0 D	5182.2		lbs.	(5182.2)	No movement; 11 x 200kgs? lbs & 1 x 332 lbs	4.363 13,004	\$0 \$0	0.00%		22,60
	 	20	0.0			0.0			0.0	No movement					
Lauroyl Chloride	100-900	20	0.0	- 0	0.0	0.0		lbs	0.0	No movement	1.740	\$0_	0.00%	3 -	(
DBAD	100-725	25	0.0	4,049	4000.0	49.0		kgs	49.0	2 x 25 kg boxes. Shipped out 1 kg to new customer,	19,611	\$0	0.00%	\$ (78,443)	96
Phenyl Chloroformate		159	0.0	51208	441.0	50767.0		lbs.		Drums in E-1, 93 @ 245 kgs, 1 @ 23 kgs, 1 @ 265 kgs.	2.053	\$0	0.00%		
Phenyl Chloroformate HEAL	600-152		0.0	1120	0.0	1120.0		lbs.	(1120.0)	Used for heel in PHCF (3 drums) E-2,	1.466	\$0	0.00%	\$ -	1,642
TEU (DRIED intermediate)	600-128	160	116,100.0	0	0.0	116100.0		lbs		Will cycle count in October.	0.000	\$0	0.00%	\$ -	
Uraci anan n								dry		No movement; Total weight of 4,403 wet lbs, assay 20.5% 903					
HEGCL -ODCBDry basis.	100-301	20	0.0	903	0.0	903.0		lbs	(903.0)	dry lbs.	0.000	\$0	0.00%	\$ -	ļ
HEGCL -Dry Basis	100-128	49	0.0	6,464	5167.0	1297.0		Dry Ibs	(1297.0)	2 x 2000 lbs @ 32.3%, Will cycle count in October	6.097	\$0	0.00%	\$ (31,503)	7,90
Carbaester	1.00 -14	15	23287.0	11905	35192.03	(0.0)			1	Cycle counted	16.645	400-		\$ (198,156)	
2-CMBSI Dry Basis -BAYER		15	0.0	Ö	0	0.0				No Movement	6.000	\$0	0.00%	\$ -	
2-CMBSI Dry Basis-DUPONT	100-730	15	75852.9	10813	43017.6	43648.3		Kg	(43648.3)	Will cycle count in October.	6.000	\$455,079	31.57%	\$ 196,995	261,86
ESPI Dry Basis - Dupont	100-501		0.0	0	0	0.0		kg	0.0	No Movement	6.215	\$0	0.00%	\$ -	
ESPI Dry Basis - Dupont owned	300-501			2500	0	2500.0		ka	(2500.0)	2500 kg heel in DPCU 001016-6	0.000			\$ -	
	1			2000					*				0.0004	-	
MTSI Dry Basis - Dupont	100-945		0.0	- 0		0.0		<u> </u>	0.0	No Movement	7.191	\$0	0.00%		
Saltidin-Lanxess	100-729	0	0.0	0	0	0.0	P	kg	0.0	No Movement	6.000	\$0	0.00%		
IBBA-PolyCarbonate	100-131	0	0.0	2602	0	2602.0	<u> </u>	kg	(2602.0)	No movement	88.184	\$0	0.00%	\$	229,45
BBHPF-PolyCarbonate	100-132	o	0.0	34.6		34.6	T _F	kg	(34.6)	No movement	99.000	\$0	0.00%	\$	3,42
										28 x 500 lbs, 1 x 525 lbs, 1 x 530 lbs, 1 x 550 lbs & 1 x 605 lbs =					
BBHPF-PolyCarbonate in MeCl2	[l		0.0	400	0	400.0	ik	kg		16,209 wet lbs = 400 dry kg of product	99.000	\$0	0.00%	\$	39,60
.4-DCBHA	100-103		0.0	0	0	0.0	l.			No movement	22.707	\$0	0.00%	\$ -	
		20	0.0	0		0.0		kgs_	0.0	No movement	14.303	\$0	0.00%		
	400 445									No movement; 'E-1. Fiber Boxes Cold room.20 @25 kgs boxes, 4					
Benzyl Carbazate, 97%	100-119	20	0.0	600	0	600.0	k	kgs	(600.0)	@ 25 kg drums.	14.303	\$0	0.00%	\$ -	8,58
t29/ Muratic Acid	900-390		20.000.01	F0000 051		W1000 5		ho -	0.0	Ougla naturited	0.005				
2% Muratic Acid		otal	23,368.0	50632.00	0.0	74000.0	74000		0.0	Cycle counted	0.005	\$1.444.007	400.000	¢ (244.670)	¢0.750.70
	L	Otal	293,498					bs				\$1,441,267	100.00%	a (344,076)	\$2,756,70

Total Finished goods value for the	ne month	Inve	entory Changes	for the month
Finished Goods	2,756,704		(\$344,676)	
Raw materials	1,780,486	\$	376,173	
Packaging	185,537		\$0	
Off-spec Finished goods 1.				

METRIC DATA Calculation:	L / L	Days of inventory Turn
		TTM Cost of
	\$ 30.000.000	goods sold.



September 2012 Raw Materials Last updated Note: Final numbers to come from accounting mon

9/2/2012

Note: Final numbers to come from accounting me	onth end cl	ose.		,		_					, 				
						EOM						l			
	Product			Receipts/		Physical	1	1	1	ł	Inventory	ł		Chan	nge in
roduct	code	Accounting	Usage	Production	EOM Calc	Check	Difference	UNIT	Comments	Variance?	value	Valu	ie EOM	value	
Over-all Phosgene Usage		}						1							
PTSA	600-610	137898.0	0,0	74957.0	212855.0	-	(212855.0)	lbs.	3862x 25 bags		\$ 1.362	\$	289,909	\$	102,091
PTSA off site at CDI	602-610	0.0							No movement	 	\$ 1.720			\$	
MCB -PTSI	600-441	38,640	0.0				(38640.0)		The merennen.		\$ -	\$		\$	
MCB DRUMS for all processes on-site	600-440	1,500	0.0		 		(1500.0)	 -	3 x 500 lbs in quarantine cage.		\$ 0.880	s	1,320	s	
MCB off-site @ CDI	602-440	23,658	0.0		<u> </u>		(23658.0)		46 x 500 lbs + partial (658 lbs)		\$ 1.124		26,592	I T	
	1002 110			<u> </u>	20000.0		(20000.0)		KEEP INVENTORY AT ZEROfor VALUE		7	<u> </u>			
NBI -PTSI Addition line.	600-452	0.0	0.0	0.0	0.0	İ	0.0		CALC.	ĺ	\$ -	\$	_	\$	
									Cycle counted: wash tank: 313 lbs & 4 x 2607						
DMF -Fresh material ACL	600-410	8600	21322.0	23463.0	10741.0	10741	0.0	lbs.	lbs		\$ 0.800	\$	8,593	\$	1,713
DMF -Distilled material ACL	600-413	11365	4750,0	0.0	6615.0		(6615.0)	lbe	Will cycle count in October.		\$ -	\$	_	\$	
		<u> </u>												<u> </u>	
Fresh Heptane, NCA's, 97% SVH.	600-616	0.0	0.0	0.0	0.0		0.0	lbs	No movement		\$ 0.862	\$		\$	
								ł	Sent out 18,000 lbs as waste. Distilled Heptane	1	ļ				
Heptane- Distilled 97% SVH	600-928	31300	18000.0	0.0			(13300.0)	lbs	in E-2: 8 x 1500 lbs & 1 x 1300.		\$ -	\$	-		
BZOH - BCF	600-120	43606	0.0	43387.0	86993.0		(86993.0)	lbs.	80 x 210 kg & ST-119: 6,569 lbs		\$ 1.140	\$	99,172	\$	49,461
<u></u>									Cycle counted; 48 x 180 kg in E-1, 5 x 180 kg in						
NBI - PNBC, PTSI, Acticryl, 2-CMBSI, ESPI, MTSI	600-452	24712	3495.0	0.0		21217			C-1 & 176 lbs in D-3.		\$ 5.780		122,634		(20,201
Pentanol - Pentyl CF	600-161	11009.0	11009.0	0.0		0	0.0		Cycle counted ST-2 & in process		\$ 3.990		(0)		(43,926
Ethanol - Ethyl CF	600-904	0.0	0.0	0.0	0.0		0.0	kg	No movement		\$ 10.754	\$		\$	
JH -PNBC	600-158	44533	0.0	0.0	44533.0		(44533.0)	lbs.			\$ 2.350	\$	104,653	\$	-
									No movement; 13 x 150 kg 1 x 215 lbs 1 x 1402						
								1	lbs, 1 x 1411 lbs , 1 x 1658 lbs, 1 x 1395 lbs & 1						
NBA - PNBC Old way	600-420	10495	0.0	0.0	10495.0		(10495.0)	lbs.	x 115 lbs.		\$ 1.350	\$	14,168	\$	
PCF	600-156	0	0.0	0.0	0.0		0.0	lbs.	No movement;		\$ 2.604	\$	-	\$	-
											\$ 1.430		2 4 2 2		700
HCL 32%, 20 Be drums	600-801	10000	17000.0	20000.0	13000.0	13000	0.0	lbs	Cycle counted; 26 @ 500 lbs		\$ 0.240	\$	3,120	\$	720
Phenol - PHCF	600-150	0.0	0.0	0.0	0.0		0.0		No movement		\$ 0.923		-	\$	-
TMAC - PHCF	600-817	660.0	0.0	0.0	660.0		(660.0)	lbs	No movement; E-1, (6) fiber drums.		\$ 2.680	\$	1,769	\$	-
TEU -Dry TEU production.	600-128	0.0	0.0	116100.0	116100.0		(116100.0)	lhs	Will cycle count in October		\$ 3.340	\$	387,774	\$	387,774
DEA- HEGCL (Fresh material)	600-400	11957	30800.0	76979.0	58136.0		(58136.0)		38 x 140 kg & 1 x 215 lbs, ST-3 & 2 bins		\$ 1.340		77,902		61,880
Toluene -distilled material (HEGCL)	600-620	55552	0.0	0.0	55552.0		(55552.0)		Will cycle count in October			\$		\$	
DEA- HEGCL (RECYCLED Material)	600-614	33063	29457.8	0.0	3605.3		(3605.3)		Will cycle count in October		\$ -	\$	-	\$	-
4-Methoxyphenol HQMME - Acticryl	600-108	375.0	0.0	0.0	375.0		(375.0)	lbc	No movement; 17 bags in E-1		\$ -	\$		\$	
2-Hydroxyethyacrylate (HEA) - Acticryl	400-109	0.0	0.0	0.0	0.0		(373.0)		No movement; 400-109 Obsolete code			\$		\$	
Butylated Hydroxytoluene (BHT) - Acticryl	600-110	0.0	0.0	0.0	0.0		0.0		No movement; E-1 by Actricyl mateiral.		\$ 25.513	т		\$	
Isopropyl Alcohol -Actionyl	600-110	3620.0	0.0	0.0	3620.0		(3620.0)		No movement; 2 x 1810 lbs		\$ 1.039		3,760		
Tin Octanoate (II) -Acticryl	400-113	86.1	0.0	0.0	86.1		(86.1)		E-1; 400-113 Obsolete code			\$	-,	\$	
NBI -Acticryl	600-452		0.0	0.0	0.0		0.0		Tracking usage only		\$ 8.352	-T.	-	\$	
Macol 15-25 -Avenal	300-216	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ -	\$	-	\$	
NEODAL 925 - Avenal	300-217	0.0	0.0	0.0	0.0		0.0		No movement			\$	-	\$	
acol N-374-Avenal	300-218	0.0	0.0	0.0	0.0		0.0		No movement		\$ -	\$		\$	
Aliquat 336 - Avenal	600-107	420.0	0.0	0.0	420.0		(420.0)		1 @ 390, 1@ 30 lbs in E-1.		\$ 6.470	\$	2,717	\$	
DBAD production and Benzyl carb															
Sodium Carbonate Tech Grade	600-923	21600	0.0	0.0	21600.0		(21600.0)	lbs	432 bags @ 50 lbs		\$ 0.384	<u>\$</u>	8,292	\$	

Hydrazine Hydrate Bulk	600-428	0	0.0					lbs	No movement,		2.150		-	·	
Hydrazine Hydrate Totes	600-429	9,699		0.0			(9699.0)	_	E-2 (2 x 200 kg drums) & 4 x 1000 kg bins.	\$ 2	2.750	\$	26,672		
BCF (DBAD + Benzyl Carb)	600-119		0.0	<u> </u>	0.0			lbs	Tracking usage only.	\$		\$	-	\$	-
FRESH MCB usageTracked above on PTSI	600-440		0.0	0.0				<u> </u>	Tracking usage only.	\$					
Hydrogen peroxide	600-918	1,966	0.0	0.0	1966.0		(1966.0)	lbs	1 @ 466 lbs & 3 x 500 lbs E-1 cool room.	\$ 0	0.653	\$	1,284	\$	
CL 32% track in PNBC above.	600-801		0						Tracking usage only, New material only.						
Sodium Bisulfite	600-619	18044					(25238.0)		10 x 6010 lbs & 20 x 274 kg drums		0.251		6,347		1,815
Chloroform	600-917	5400					(5400.0)	lbs	No movement; E-1 (8) drums @ 675 lbs.	\$ 1	1.764	\$	9,523		-
Chloroform Distilled, tracking purposes only	600-927	4725					(4725.0)	lbs	(7) drums in E-1.	\$		\$		\$	
Chlorine Cylinders	600-126	20300	0.0				(20300.0)	lbs	10 x 2000 lbs & 1 x 300 lb	\$ C	0.353		7,174	\$	
MCB - Distilled DBAD	600-920	25700	0.0	0.0	25700.0		(25700.0)		ST-27 with DBAD Heptane	\$		\$		\$	
Heptane- Distilled DBAD	600-613	50000.0	0.0	0.0	50000.0		(50000.0)	lbs	ST-27 with DBAD MCB	\$		\$		\$	
CARBASTER RAW MATERIALS	+							+							一目
STATE OF THE PROPERTY OF THE P	+							 	Cycle counted; 6 x 465 lbs & 1 x 89 lbs (090312-			<u> </u>			
Methyl Chloroformate	600-512	6731.0	13052	9300	2979.0	2979	^^	lbs	O1) and 100 lbs (small keg).		1.410	l e	4,200	\$ (5	5 20m
L-Phenyl Alanine - Carbeaster	600-814	22959.0	21195.0	9300		1764									5,290)
Toluene -distilled material - Carbaester						1/64			Cycle counted; 32 x 25 kg (083112-05)		5.580		9,843		8,268)
roluche -uishileu material - Cardaester	600-612	0.0		0.0	0.0		0.0	lbs.	No movement			\$		\$	
		1		1	1		1		Cycle countd; 1 x 300 kg & 1 x 622 lbs (061212-			1			
Thionyl Chloride - FC-102E, Carbeaster	600-812	17747.0	16464.0	0.0	1283.0	1283	0.0	lbs.	01)	\$ 1	1.090	\$	1,398	\$ (1).	7,946)
DDI Raw material					-	,-									一一
DDA from Cognis (non-owned)	300-112	n	54432	54432	0.0	0	በበ	lbs	Cycle counted	\$		\$		\$	
XYLENE = distilled/recycled for DDIfresh tracked				- 1102			<u> </u>	1		*		-		·	
in 2-CMBSI	1 1	04000			40047	4554-	أحم	 	Cycle counted; 4 x 1800 lbs, 6 x 1700 lbs & 1 x			e e		ŧ	1
III Z-ONIDOI	600-617	24089	5272.0	0.0	18817.0	18817	0.0	lbs	1417 lbs. DDI process consumed 5,272 lbs.	\$	-	\$		<u> </u>	
CHDI Raw material	+				-			<u> </u>	· · · · · · · · · · · · · · · · · · ·						
	200 111							ļ	No movement						
CHDA from DUPONT (non-owned)	300-110	0.0	0	0	0.0		0.0		No movement	\$		\$	-	<u> </u>	
"XE from DUPONT (non-owned)	300-111	5460	0	0	5460.0		(5460.0)		11 x450 lbs & 1 x 241 lbs & 1 x 269 lbs	\$		\$	-	<u> </u>	
HDI MCB	300-440	0.0	0.0	0.0	0.0		0.0		No movements 24 × 500 the to F. 4	\$		\$	- ;		
Distilled CHDI MCB	600-921	12000.0	0.0	0.0	12000.0		(12000.0)	ıbs	No movement; 24 x 500 lbs in E-1.	\$		\$	- ;	P	
DIDCC Raw materials	+								T						
······································	200 400							le = :	No movement			<u> </u>		<u>, </u>	
DID	300-123	0.0	0	0	0.0		0.0	кg	No movement	\$		\$		\$	
					1			1			1	:			
									No movement; 8 x 2130 lbs & 1 x 1530 lbs.	.		_	.		
Toluene - DIDCC Recycle	600-615	17400	0.0	0.0	17400.0		(17400.0)	lbs.	Process produced 3100 lbs of recycle toluene.	\$		\$	- 5	5	
1-00-															
IECC Raw materials															
DEIDA	400-112	400.0	0	0	400.0		(400.0)		No movement; E-1, (2) drums.	\$		\$	- 3		-
HCL GAS	600-430	0.0	0.0	0.0	0.0		0.0	lbs.	No movement	\$ 2	2.668	\$	- 3	5	<u> </u>
2-CMBSI raw materials															-
2-CMBSA - Non-owned raw for BCS.	200 404							V ~-	No movement			<u>¢</u>			
	300-101	0.0	70-00	0	0.0	07000	0.0		No movement	\$		\$	- 8	D	<u> </u>
2-CMBSA - Non-owned raw for Dupont	300-102	28500	70500	69000	27000.0	27000	0.0		Cycle counted	\$		<u> </u>		,	
NBI -Cat. Tracked above, usage here.	+		3495	0	-3495.0		3495.0		Tracked only.	\$		\$	- 9	•	
YVI ENE Froch CODE ONLY	600 400	646-4	100047	470007.0	00000		(00004 5:		2 x 1900 lbs, 1 x 1344 lbs (MTSI Xylene) & ST-		660	c	46 004	, -	245
XYLENE Fresh CODE ONLY	600-102	61871	169047.0	176997.0	69821.0		(69821.0)	IDS	31A (lbs) Should make this ZERO consumption until end of	<u> </u>	.660	P	46,061	5	,245
XVI FNE 2-CMRSI only material	600-103	41750	0.0	0.0	44750.0		1/47E0 0		·	\$	_	\$	- \$		
XYLENE 2-CMBSI only material	POUN-103	41/50	0.0	0.0	41750.0		(41750.0)	เมร	campaign.	<u> </u>		\$	- 13		
ESPI raw materials															
SPA - Non-owned raw for Dupont	300-500	0.0	0.0	0.0	0.0		0.0	ka	No movement;	\$		\$	- \$		
	1000-000	0.01	J.U	0.0						- Ψ		*			\dashv
NBI -Cat. Tracked above, usage here.	1000	44			0.0		0.0		No movement DDOLLOCICIO			<u>ф</u>	- \$		
ESPI- Distilled- Xylene	600-501	14700.0	0.0	0.0	14700.0		(14700.0)	lbs	No movement; DPCU 001016-6	\$		\$	- \$	·	ائـــ
MTSI raw materials		T	- 	<u></u>									_		
and we have transferring	1 1	1	1	1	ı	1	I	, i	, ·	1					

		 						1		T:	 1	
MTSA - Non-owned raw for Dupont	300-945	0.0	0.0	0.0	0.0		kg	No movement	\$ -	\$	- \$	<u>-</u>
NBI -Cat. Tracked above, usage here.					0.0	0.0	lbs			\$	- \$	-
MTSI- Distilled- Xylene	600-946	0.0	0.0	0.0	0.0	0.0	lbs	No movement	\$ -	\$	- \$	-
		r-	-						<u></u>			
Saltidin Raw Materials												
ecbutyl Alcohol - SecButyl CF	600-160	1480	0.0	0.0		(1480.0		No movement; 4 x 370 lbs	\$ 1.507	\$ 2,	231 \$	
SecButyl CF >>From Product Sheet!	100-160	6803	0.0	0.0	6803.0	(6803.0		15 x 200 kg & 1 x 86 kg (Reefers)	\$ -	\$	- \$	<u> </u>
HEPP supplied from Saltigo.	300-901	0	0		0.0		lbs.		\$ -	\$	- \$	<u>-</u>
Toluene - Saltidin	600-623	0	0	0	0.0		lbs	Cycle counted, sent out as waste	\$ -	\$	- \$	
Sulfuric acid (20% for Iciridanconcentrated)	600-221	. 0		0.0	0.0	0.0	lbs	No movement;	\$ 0.333	\$	- \$	-
Lauroyl Chloride Raw materials							T				T	
Lauryl Chloride "heel" drum.	600-153	0.0		0.0	0.0	0.0	lbs.	No movement	\$ 2.310	<u>e</u>	- \$	
Lauric Acid	600-903	0.0	0.0	0.0	0.0		lbs.	No movement	\$ 1.050		- \$	
	1000 000			0.0	0.0		1001		, , , , , , , , , , , , , , , , , , ,		1 *	
CECF raw materials:												
Benzyl Tributyl Ammonium Chloride	400-121	1984.14		0.0	1984.1	(1984.1) lbs.	No movement; E-1. (36) bags.	\$ -	\$	- \$	
ADI Davi matariata												
ADI Raw materials							1			1.6	<u></u> -	
ADA (non-owned)	300-731	0.0	0.0	0.0	0.0		lbs	No movement	\$ -	<u> \$</u>	- \$	
Recycle ADI Xylene	600-622	31450.0	31450,0	0.0		0.0		Cycle counted; sent out 31,450 lbs as waste.	\$ -	\$	- \$	
Virgin Xylene (tracked only) reported above	600-102		0.0	0.0	0.0	0.0	lbs	Tracked above	\$ -	\$	- \$	-
4-TFMPI Raw materials						1	1		٦			
	200 000						1	Nome	 	1 6	- 1 2	
4-Trifluoromethoxyanaline (non-owned)	300-902	0.0	0.0	0.0	0.0		kg	No movement	\$ -	\$	- \$	
Toluene (tracked only) reported below Toluene - Distilled-	600-611 600-621	0	0.0	0.0	0.0		lbs lbs	Tracked below, shows USAGE only. No movement	\$ - \$ -	\$ \$	- \$ - \$	
Totalie - Distilled-	600-621	U	0.0	0.0	0.0	0.0	libs	No movement	_ φ -	φ	- Þ	
Delv Corbonata Devia			_		T			1	T	1		
PolyCarbonate Raws										\$	- \$	
irgin Methylene Chloride	600-935	1200.0	0.0	0.0	1200.0	(1200.0		No movement; 2 x 600 lbs drums in C-1	\$ 0.812		974 \$	
√igin n-Heptane	600-936	0.0	0.0	0.0	0.0		lbs	No movement;	\$ 2.468		- \$	-
p-t-Butyl Phenol (PTBP)	600-937	41.8	0.0000	0.0	41.8	(41.8) Kg	No movement; 1 x 40.226 kg & 1 x 1.574 kg.	\$ 17.721	\$	741 \$	
Dimental continue acceptation (DMAD)	200 000	40.7	0.000		40.7	//0 7		No movement; 1 x 25 kg & 1 x 18.087 kg & 1 x	1 100 000			
Dimethylaminopyridine (DMAP)	600-938 600-939	46.7	0.000	0.0	46.7 66.8) kg	3.613 kg	\$ 122.000		97 \$	
BTEAC TBBA	300-940	66.8 650.0	0.0	0.0	650.0	(66.8		No movement 1 x 24.9 kg, 1 x 41.9 kg No movement; 26 x 25 kg	\$ 14.317	1 6	956 \$	
TBBHPF	300-941	3594.0	0.0	0.0 0.0	3594.0	(650.0		No movement; 89 x 40 kg & 1 x 34 kg	\$ -	\$	- \$ - \$	
Methylene Chloride Recycle	600-944	31080.0	0.0	0.0	31080.0	(3594.0		No movement; trailer 302 (31,080 lbs)	\$ 0.810	φ · 25		
Metriylerie Chioride Recycle	000-344	31000.0	0.0	0.0	31000.0	(31000.0) IDS	No movement; trailer SP-22 (26,480 lbs) & ISO	\$ 0.810	φ <u>25,</u>	175 \$	<u>-</u>
n-Heptane Recycle	600-943	60080.0	0.0	0.0	60080.0	(60080.0	lhe	ETNU 870000-4 (33,600 lbs).	\$ 2.460	\$ 147	797 \$	_
in-neptane Necycle	000-343	00000.0	0.0	0.0	00000.0	(00000.0	lina	21110 070000 4 (00,000 100).	Ψ 2.100	Ψ 147,	/ ο / φ	
2,4-DCBHA Raw Materials	<u> </u>	1					1			1	<u> </u>	
E,T-DODIN NAVV IVIALEITAIS							 	No movement; 13 x 1800 lbs & plus (4) partial	-			
Isopropyl Alcohol -distilled (2,4-DCBHA)	600-113	29123	0.0	0.0	29123.0	(20422.0	lha	Totes in various lbs (1147610).	\$ -	\$	- \$	
isopropyi Aicorol -uisuileu (2,4-DCBHA)	000-113	29123	0.0	0.0	29123.0	(29123.0	เทร	No movement; E-1, Blue drums. 38 drums @	Ψ -	Ψ	-	-
Hydroxylamine, 50% solution	600-929	8373	0.0	0.0	8373.0	(8373.0	ka	220 kgs, plus 1 at 13 kgs.	11.95	\$ 100	57 \$	
2,4-Dichlorobenzyl Chloride	600-930	19750	0.0	0.0	19750.0	(19750.0		No movement; E-1, 79 drums @ 250 kgs.	5.111		942 \$	
Disodium EDTA Dihydrate	600-931	875	0.0	0.0	875.0	(875.0		No movement; 7 x 125 lbs, in E-1 one pallet.	6.38		83 \$	-
Sodium Hypochlorite Solution	600-932	0,0	0.0	0.0	0.0		lbs	No movement	0.1282		- \$	-
			3.0	0.0	0.0		103	No movement; (4) bins in E-1. 275 gals each.	0.1202	Ψ	- Ψ	-
						1	I	Seems to have been LOSS as a supply, need to			1	
Potassium Carbonate - LIQUID	600-713	4400	0.0	0.0	4400.0	(4400.0)	lbs	move BACK into inventory.	0.6587	\$ 28	98 \$	_ [
Potassium Carbonate	600-933	10553	0.0	0.0	10553.0	(10553.0)		No movement; 195 bags in E-1	0.895		45 \$	
The state of the s	-55 500		3.0	0.0		(1000.0)	1.20	No movement; 196 @ 50 lbs in E-1, NEED TO	0.000	ψ <u>υ, ч</u>	·• •	
1			1					USE FOR PHOSGENE TUBS!!! Should correct				
Sodium Thiosulfate	600-934	4445.25	o	0	4445.3	(4445.3)	lbs	for year end and monitor usage.	1.0758	\$ 4.7	82 \$	-
							<u> </u>					
25% NAOH - ALL	600-200	18,635	83421.3	65620.0	833.8			Cycle counted; ST-22	\$ 0.370		08 \$	(6,586)
50% NAOH	600-900	8.04	51.7	79.9	36.3	36.225 (0.0)	Dry to	ST-5/6 tank only.	\$ 655.000	\$ 23,7	'50 \$	18,484
······································												

										_						
50% NAOH for TBU, Same code	600-902	0.0	0.0	0.0	0.0		0.0	Dry II	bs		\$	0.320	\$	-	\$	-
Nitrogen (CCF)	600-910	3468.48			3468.5	7081.5	<u></u> .	100 s	d ST-11 bulk tank.		\$	0.485	\$	1,684	\$	
CO- CBC	600-100	26841		0.0	26841.0	7001.0	(26841.0)		OT IT BUIL CUIT.	 	\$	1.686		45,246		_
CO- In transit	601-100	0.0		0.0	0.0			lbs.			\$				\$	
Chlorine -CBC	600-125	275017	613125	338880	200772	195430	(5342.5)		Need to correct adjustment to production.		\$	0.143	L	28,610		(10,580)
General Solvents/Misc items									1		1		\$	-	\$	_
Toluene (Lots of products!)	600-611	35252	70502.0	45020.0	9770.0	9770	0.0	lbs.	Cycle counted; 15 x 1800 lbs & 1 x 770 lbs		\$	0.650	\$	6,351	\$	(16,563)
Toluene from Dupont for Benzyl Carbazate	300-611	100915	0.0	0.0	100915.0		(100915.0)	lbs.	No movement;		\$	-	\$	_	\$	-
Methanol fresh, cleaning for other products	600-813	58285	49331.0	0.0	8654.0	8654	0.0	lbs.	Cycle counted; 1 x 2254 lbs & 4 x 1600 lbs		\$	0.275	\$	2,380	\$	(13,649)
Methanol -recycled material, cleaning for other									No movement; 7 bins (2,4-DCBHA MeOH), 1600							
products	600-919	11200	0.0	0.0	11200.0		(11200.0)	lbs.	lbs each		\$		\$	-	\$	_
Sodium Bi-Carbonate-Carbaester	600-811	5300.0	5000.0	0.0	300.0	300	0.0		Cycle counted; 6 x 50 lbs (083112-02)		\$	-	<u> </u>			
THF/Obsolete material	400-162	400.0	0.0	0.0	400.0		(400.0)	lbs	No movement: E-2 (1) drum		\$	-	\$	_	\$	-
QMME-Pilot lab/Obsolete material	400-210/1	375.0	0.0	0.0	375.0		(375.0)	lbs	E-1; 17 bags		\$	-	\$	-	\$	-
ETHYL Acetate	400-412	1200.0	0.0	0.0	1200.0	·	(1200.0)	lbs	E-2; 3 drums.		\$	-		-		
Potassium Hydroxide 45%	600-712	0.0	0.0	0.0	0.0		0.0	lbs			\$	0.241	\$	-	\$	-
7	[i 1	1		İ	1		1	1		,					
Z-val NCA, just in case.	1000 100									Trian rat	4	11 700	_		_	
(L)-Valine (Fine powder) - Valine NCA	600-166	0.0	0.0	0.0	0.0		0.0			#DIV/0!	_	11.790		-	\$	
THF(tetrahydrofuran) - Valine NCA, Z-Valine NCA	600-162	0.0	0.0	0.0	0.0		0.0			0.000	\$		<u> </u>	<u> </u>	\$	
ISOPAR-G - Valine NCA	600-163 600-165	0.0	0.0	0.0	0.0		0.0			0.0000	\$	0.600		• •	\$	- '
Valine NCA (produced)		0.0	0.0	0.0	0.0		0,0		<u> </u>	0.0000	1 3	30.000		-	\$	
N-Methyl Morpholine	600-164	0.0	0.0	0.0	0.0		0.0			0.0000	1 4	2.250		-	\$	
Benzyl Chloride (raw material) Z-valine NCA MTBE (Methyl tertbutylether) Z-valine NCA	600-161	0.0	0.0	0.0	0.0		0.0	lbs.		0.0000 0.0000	10	2.520 0.900		-	\$	
ODCB -Distilled	600-181	0.0	0.0	0.0	0.0		0.0		KEEP at ZERO, but counted.	0.0000	1 &	0.900	\$	- .	\$	
Kenite-1000 (DIC) filter aid. NCA/NDI	700-301	0.0	0.0	0.0	0.0		0.0		INCLI at ZEINO, but counted.	0.0000	¥		\$		\$	
Training Tree (Die) Intel ala. Hornitol	11.00-001	3.0	5.0	0.0	0.0		0.0	بوريز	Land to the second seco	Total	╫		\$ 1	780,486	\$	376,173
	1	<u> </u>			<u></u>								L ''	, . 55, .55	-	

95% Vilsmeier Production batch summary

Product code 100 401

Run dates

9/2/2012 0:00

9/28/2012 4:00

Cleaning

Product codes

GOOD MATERIAL

		100-401		6⁄00-410		600-413		100-2000		75 lbs/hr Target.							
Batch Date	Lot#	95	%		in DMF	Distill	ed DMF	Phos	gene	Run time	Delays	NMR	Batch Rate	Comments			
Finished		ibs	kgs	lbs	Factor		Factor	lbs	Factor	hrs	hrs	Assay	lbs/hr				
9/2/2012	1142812 (103)	1653	750	1044	0.631	0	0.000	1300	0.79	29.00	0.00	96.2	57	25 x 30 kg			
9/7/2012	1145112 (104)	1720	780	1044	0.607	0	0.000	1300	0.76	113.00	87.00	96.6	15	26 x 30 kg; 87 hr delay between batches #103 & #104 (fiber drums).			
9/9/2012	1145712 (105)	1852	840	1044	0.564	0	0.000	1300	0.70	28.50	4.00	96.4	65	28 x 30 kg; 4 hr down time DMF pump			
9/10/2012	1146012 (106)	1521	690	1044	0.686	0	0.000	1300	0.85	26.00	0.00	95.9	59	23 x 30 kg			
9/12/2012	1146612 (107)	1521	690	1044	0.686	0	0.000	1300	0.85	28.50	0.00	96.2	53	23 x 30 kg			
9/13/2012	1147512 (108)	1852	840	1044	0.564	0	0.000	1300	0.70	41.00	12.00	96.4	45	28 x 30 kg; 12 hr delay (CFG pump heat exchanger)			
9/14/2012	1148012 (109)	1653	750	1044	0.631	0	0.000	1300	0.79	27.00	0.00	96.2	61	25 x 30 kgs			
9/15/2012	1148512 (110)	1786	810	1044	0.585	0	0.000	1300	0.73	24.50	0.00	94.9	73	27 x 30 kgs			
9/17/2012	1148912 (111)	1653	750	1044	0.631	0	0.000	1300	0.79	26.00	0.00	96	64	25 x 30 kgs			
9/18/2012	1149312 (112)	1852	840	1218	0.658	0	0.000	1300	0.70	30.50	0.00		61	28 x 30 kg			
9/19/2012	1150012 (1)	1389	630	2845	2.048	4750	3.420	1300	0.94	24.00	0.00		58	21 x 30 kg, New DMF charge consists of 4750 lb distilled DMF + 1975 lb virgin DMF			
9/20/2012	1150312 (2)	1786	810	1044	0.585	0	0.000	1300	0.73	26.50	0.00		67	27 x 30 kgs			
9/22/1012	1151212 (3)	1720	780	1044	0.607	0	0.000	1300	0.76	45.50	19.50		38	26 x 30 kgs; 19.5 hr delay (manpower)			
9/23/2012	1151812 (4)	1653	750	1044	0.631	0	0.000	1300	0.79	29.50	5.00		56	25 x 30 kgs; 5 hr delay (manpower)			
9/24/2012	1152312 (5)	1720	780	1044	0.607	0	0.000	1300	0.76	27.00	0.00		64	26 x 30 kg			
9/25/2012	1153012 (6)	1720	780	1044	0.607	0	0.000	1300	0.76	27.50	1.00		63	26 x 30 kg; 1 hr delay (CFG Pump leak)			
9/26/2012	1153712 (7)	1786	810	1044	0.585	0_	0.000	1300	0.73	27.00	0.00		66	27 x 30 kg			
9/28/2012	1154212 (8)	1720	780	1218	0.708	0	0.000	1300	0.76	30.00	0.00		57	26 x 30 kg			
				381				500						Month End Adjustments			
Totals		30556	13860	21322	0.698	4750	0.155	23900	0.782	611	129						
Averages		1698	770	1122						34		96.09	49.82				

Aditional material used for transition/cleaning.

Methanol DMF

NaOH 32% HCL lbs lbs

Dry lbs 25% NAOH

lbs

Production Rate lbs/hr, with down time

Production Rate lbs/hr, WITH NO down time

Target Rate 60-70 Range.

DDI production Batch summary in D-1

535 DDA mol weight 587 DDI mol Weight

106 Xylene Mol Weight

Product code

100-721

Run dates

R-1

9/10/2012 16:00 9/29/2012 9:00:00 Cleaning 10/2/2012 18:00:00

11-Sep 12:00 30-Sep 1:00 2-Oct 18:00

Code for Raw materials

600-102 600-920 70 lbs/br target

10/1/2012

		100-721	300-112		600-102		600-617		600-920									70	lbs/hr tar	get
													%						Batch	
Batch Date	Run#	DDI		DDA		Xylene	Distilled >		Phos	×	Calc		chloride	R-1			hrs	Total	Rate	Comments
Finished	Batch #	lbs	lbs	Factor	lbs	Factor	ibs	Factor	lbs	Factor	Concen	13_	<0.1	Total	Down	Total	Down	hrs	lbs/hr	
9/12/2012	1146312 (1)	2040	3300	1.618	0	0.000	8805	4.316	2000	0.980	20.9%	13.11%	0.14	19.50	0.00	23,00	0.00	41.50	49	1 x 2040 lbs
9/13/2012	1146912 (2)	4080	3300	0.809	0	0.000	8800	2.157	2000	0.490	41.7%	13.28%	0.15	25.00	6.00	26.50	0.00	50.50	81	2 x 2040 lbs; R-1: 6 hrs waiting for R-3
9/14/2012	1147312 (3)	4080	3300	0.809	0	0.000	8800	2.157	2000	0.490	41.7%	13.37%	0.17	29.50	13.50	22.00	0.00	50.50	81	2 x 2040 lbs; R-1: 13.5 hrs waiting for R-3
9/15/2012	1147812 (4)	4080	3300	0.809	0	0.000	8800	2.157	2000	0.490	41.7%	13.44%	0.13	23.00	8.00	25.00	0.00	47.00	87	2 x 2040 lbs; R-1 8 hrs waiting for R-3
9/15/2012	1148312 (5)	4080	3370	0.826	0	0.000	8800	2.157	2000	0.490	41.7%	13.33%	0.14	25.50	7.50	23.50	0.00	48.00	85	2 x 2040 lbs; R-1 7.5 hrs waiting for R-3
9/17/2012	1148612 (6)	2040	2950	1.446	0	0.000	9050	4.436	2000	0.980	20.3%	13.37%	0.13	23.50	7.00	24.50	0.00	47.00	43	1 x 2040 lbs; R-1: 7 waiting for R-3
9/18/2012	1149112 (7)	4080	2950	0.723	0	0.000	9050	2.218	2000	0.490	40.6%	13.45%	0.12	27.00	8.00	25.00	0.00	51.00	80	2 x 2040 lbs; R-1 8 hrs waiting for R-3
9/19/2012	1149812 (8)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	13.44%	0.14	25.00	9.00	24.50	0.00	49.00	42	1 x 2040 lbs; R-1: 9 hrs waiting for R-3.
																				2 x 2040 lbs; R-1: 35 hrs (CBC scale blow out line
9/21/2012	1150512 (9)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.43%	0.14	47.00	35.00	20.50	0.00	31.50	130	leak)
9/22/2012	1151112 (10)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.50%	0.13	21.00	9.00	22.00	0.00	42.00	97	2 x 2040 lbs; R-1: 9 hrs waiting for R-3
9/23/2012	1151412 (11)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	13.65%	0.13	23.00	11.50	22.00	0.00	45.00	45	1 x 2040 lbs; R-1: 11.5 hrs waiting for R-3.
9/24/2012	1152112 (12)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.24%	0.10	25.00	11.50	22.00	0.00	46.00	89	2 x 2040 lbs; R-1: 11.5 hrs waiting for R-3
9/25/2012	1152512 (13)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.64%	0.14	23.00	10.00	20.50	0.00	42.50	96	2 x 2040 lbs; R-1: 10 hrs waiting for R-3
9/26/2012	1152912 (14)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	13.55%	0.12	25.00	12.00	23.00	0.00	47.00	43	1 x 2040 lbs; R-1: 12 hrs waiting for R-3.
9/27/2012	1153412 (15)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.62%	0.13	29.50	15.00	17.50	0.00	46.00	89	2 x 2040 lbs; R-1: 15 hrs waiting for R-3
9/28/2012	1154112 (16)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	12.44%	0.14	18.50	5.50	15.00	0.00	32.50	63	1 x 2040 lbs; R-1: 5.5 hrs waiting for R-3.
			ŀ							!			ĺ					1	İ	2 x 2040 lbs; R-1: 4 hrs waiting for R-3. R-3: 4 hrs
9/29/2012	1154512 (17)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	12.78%	0.14	19.50	4.00	21.50	4.00	40.00	102	(R-1 simo).
0/30/3013	1155012 (18)	3813	2462	0.646	0	0.000	9050	2.373	1685	0.442	37.9%	13.39%	0.13	23.50	9.50	17.50	0.00	39.50	97	1 x 2040 lbs & 1 x 1773 lbs. R-1; 9.5 hrs waiting for R-3.
9/30/2012	1133012 (16)	3013	2402	0.046	"	0.000	9050	2.3/3		0.442	37.9%	13,39%	0.13	23.50	9.50	17.50	0.00	39.50	91	
						 			500										ļ	Month End Adjustments
Totals		60933	54432	0.893	0	0.00	161655	2.653	33185	0.545				453	182	395.5	4	796.5	1397.68	
Averages		3385	3024	1	0		8981		1747			13.34%	0.13	25	10	22	0	44	78	

	Materia	l used	tor o	leani	ing t	his	mont	h
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HCL 500 lbs Xylene lbs Methanoi 2000 lbs Notes:

Γ	67	Production Rate Ibs/hr R-1 cycle time only with down time
	112	Production Rate Ibs/hr R-1 cycle time only WITHOUT down time
	77	Production Rate (R-1 & R-3) lbs/Reactor hr With down times

Carbaes: Production batch summary

Product code 100-711

Run dates R-8	2-Sep 9-Sep	0:00 12:00	R-9	2-Sep 10-Sep	0:00 6:00	R-10	2-Sep 11-Sep	0:00 12:00
Cleaning	10-Sep 10-Sep	6:00 18:00		10-Sep 10-Sep	6:00 18:00		11-Sep 15-Sep	12:00 18:00
	11-Sep	18:00		11-Sep	18:00			

18:00

CRUDE BATCH PRODUCTION

Code for Raw materials

18:00

			600-812		600-814		600-512		600-611		600-813			600-200							
Batch Date Finished	Lot # or Batch #	Crude Carbeaster Ibs	Thionyl (Chloride Factor	L-Pheny	I Alanine Factor	1	thyl formate Factor	Toli	iene Factor	Met	hanol Factor	Sodium Bicarb Ibs	25% lbs	NaOH dry lbs	R-8 Time Hrs	R-9 Time Hrs	R-10 Time Hrs	Down Time Hrs	Total Time Hrs	Comments
	1136412 (1)	5877	2376	0.40	3030	0.52	1800	0.31	11762	2.00	5931	1.01	2000	11035	2759	20.00	37.25	29.00	20.00	83.00	R-8: 2 hrs (D-7 cold brine) R-9: 6 hrs (Di Water) R-10: 12 hrs (off spec decision)
9/3/2012	1141712 (8)	5088	2376	0.47	3030	0.60	1981	0.39	9924	1.95	5931	1.17	500	10254	2564	18.50	35.50	8.00	0.00	60.50	
9/4/2012	1142312 (9)	5724	2376	0.42	3030	0.53	1800	0.31	9924	1.73	5931	1.04	500	9840	2460	40.50	25.00	15.00	21.00	78.50	R-8: 21 hrs (waiting for PT-24, final toluene distill)
	1143212 (10)		2376	0.34	3030	0.44	1800	0.26	9924	1.43	5970	0.86	500	8992	2248	21.00	59.00	18.50	34.00	97.00	R-9: 34 hrs (waiting for toluene)
9/8/2012	1143412 (11)	5512	2376	0.43	3030	0.55	1800	0,33	9924	1.80	5931	1.08	500	10601	2650	57.50	34.00	20.50	36.50	110.00	R-8: 28.5 hrs (waiting for toluene) & 8 hrs (waiting for PT-24).
9/9/2012	1144512 (12)	5953	2376	0.40	3030	0.51	1800	0.30	9530	1.60	5931	1.00	500	6493	1623	38.00	26.00	16.50	16.50	78.00	R-8: 12 hrs (manpower) & 5.5 hrs (waiting for PT-24).
9/10/2012	1145412 (13)	6106	2376	0.39	3030	0.50	1800	0.29	10252	1.68	5931	0.97	500	7163	1791	29.00	23.00	12.50	0.00	62.50	
					<u> </u>								ļ		<u> </u>					<u> </u>	Month End adjustments
Total <u>s</u>		41196	16632		21210		12781		71240		41556		5000	64378	16095	225	240	120	128	570	
Averages		5885	2376	0.41	3030	0.52	1826	0.31	10177	1.74	5937	1.02	714	9197	2299.21	32	34	17	18	81	

Distilled Carbaester

600-812 600-814 600-512 600-611 600-813 600-200 Fina! Crude Methyl Na Down Total Thionyl Chloride L-Phenyl Alanine Chloroformate
| Ibs | Factor | Ibs | Factor | Ibs | Factor | 25% NaOH Time Time Batch Date Lot#or Carbeaster Carb Toluene Methanol Bicarb Comments Finished Batch # lbs lbs lbs Factor ibs Factor lbs lbs dry lbs Hrs Hrs Blend 1136412 (1), 1141712 (8), 1142312 (9) & 1143212 (10). 26 x 200 kg 1144812 (3) 12120 7381 23763 3500 40121 10030 20.50 0.00 11464 23625 9504 0.40 0.31 41534 1.76 1.01 Blend 1143412 (11), 1144512 (12) & 1145412 (13). 26 x 200 kg & 1 x 163 kg.

Month End adjustments 9/11/2012 1146412 (4) 0.52 17793 1.01 1500 24257 6064 18.00 0.00 11823 17571 7128 0.41 9090 5400 0.31 29706 (15) 21195 -168 271 2075 (738) Totals 23287 16464 13052 70502 43631 5000 64378 10605 0.52 6391 0.31 35620 1.72 20778 1.01 2500 32189 8047 19 0 Averages 11644 20598 8316 0.40

Toluene	1400	lbs	Material u	sed for cle	aning!	
MeOH	2000	lbs				
HCL	250	lbs				
25% NaOH	0	Dry Ibs				

Notes:

2-CMBSI Production batch summary Production reported in kgs. Product code 100-730 Dupont Run dates R-4 9/2/2012 0:00 R-5

100-730 Dupont 9/2/2012 1-Oct 0:00 0:00 9/2/2012 0:00 1-Oct 0:00

Cleaning

Data Back Principles Back Principles Back Principles Back Principles Back Principles Back Principles Back B					Code for R	aw materials																		_	-
		Batch #	w/solvent	line flush	%NCO	impurities	Dry Basis	5					into	ST-8)	R-5 Total Fresh (with		-	BATCH	Down	addition	addition	CBC	4	Batch	Comments
1,000,000 1,000,000 1,00		1 -4 4	l be	l he	0/2		·	+	т	Add		•		T .	15-			la ma	L		to un	the feets	 -		·
900000 11-090170 10,000 300 460 7 1600 0007 101 1100 2200 0 0.000 3220 2700 1316 4 0 0.000 1315 5 5 5 15 105 30 000 000 1310 200 0 0.000 3200 1316 4 0 0.000 1315 5 5 5 15 105 30 000 000 000 1310 200 1316 4 0 0.000 000 1315 200 1316 4 0 0.000 000 1315 200 0 0.000 1315 200 1520 1520 1520 1520 1520 1520 152	0/3/2012					8 02																			Dis Uros etan set at 3 hrs
Second 1469(120) 1469(12																									Dis-Otea step, set at 3 fils
94/2017 114512 (i)													0												
## PARCENT 11.00 11.00 11.00 11.00 11.00 12.00 1					37.3	8.68																			
Part 18-18 19-25 18-25			9.055	260		<u> </u>	4544	4500	0.002	-04	100.0		<u> </u>	0.000	2202	2200	4.500				F 75		ļ- <u>-</u> -	10.75	(7,092 dry kg) 37.62% density assay
10,587 1	9/4/2012	1143312 (9)	0,255	300	42.2	6.35	1 1511	1500	0.893	91	129.0	220.0		0.000	3303	2300	1.522	14	0	52	5.75	b./		19.75	R-4: (45 min) Vacumax belts broke. Changed heat-up
96/2012 144812 (10)			10,257	360	40,2	6.96				1					1)							to 75C hold for 1 hour, heat-up 240 minutes to 132C
98/2012 114412 (27) 10,135 300 407 0.71 1895 1500 0.831 73 142 0 20.0 0 0.000 3517 200 0.000 3517 200 0.1417 145 0.150 14617 146													_												
9/1/2012 1144512 (2) 5.254 587 415 689 1453 1550 589 57 387 250 0 0.000 337 200 1.417 1.45 0 150 6.5 5.9 5.75 1576 684 689 1450 0.000 1.00																									
947/2012 1144/22 (13) 2,284	9/6/2012	1144112 (12)	10,135	360			1805	1500	0.831	/8	142.0	220.0	0	0.000	3200	2400	1.330	11.5		90	5.5	7.3	6.5	17.5	ISO #2 (DPCI J001007-9): 41 300 wet lbs
97/2012 144612 (19 8,924 390 40.1 6,99 1623 1900 9,984 87 330 220.0 0,000 352 2300 1,147 14.5 0 190 5,5 5,9 8,75 17.7 8,4 (4,6m) Vaccounts (shis broke of the control	9/6/2012	1144312 (2)			38.3	7.36		Į				-	i											ĺ	
8/7/2012 114512 (2) 5.66 St. 350 425 6.6 St. 3			9,284				1623	1500	0.924		138.0	220.0	0				1.417	14.5	0	180	6.5	5.9	5.75	19.75	
987/2012 1145012 (3) 9.40 30 425 5.64 1596 150 0.940 85 140.0 220.0 0.000 2865 230 1.441 11.5 0 100 5.25 73 25 18.26 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9/7/2012	1144412 (14)	8,881	360	39.1	6.17	1511	1500	0.993	87	133.0	220.0	0	0.000	3528	2300	1.522	10.5	0.5	80	5	7.7	6.75	17.25	
Selection 144772 (Fig. 8,640 380 42.5 6.54 1598 1500 0.940 80 1460 220.0 0.0000 2885 2300 1,441 11.5 0 100 8.52 73 72.5 18.55	0/7/2012	11/5012/3)			38.7	7.29																			
98/99/212 114/9312 (16) 6,822 380 461 6 1437 1800 1.044 88 135.0 220.0 0 0.000 3764 2000 1.1,50 0 75 5 77, 6 20.5 Re-5 (17,5 hr) Plaqued earnuple pipor 98/99/212 114/9512 (17) 8,976 380 46.6 6.18 1688 1698 1900 0.9569 71 145.0 220.0 0 0.000 3465 2300 1.427 14.5 2.5 18.0 2.0 6.8 6.7 7.5 5.1 7.7 25.5 Re-7 (1.5 hr) Plaqued earnuple pipor 98/99/212 114/9512 (19) 6.6 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 1.45 2.5 18.0 2.5 1.45 2.5 18.0 2.5 1.45 2.5 1.4			8.640	360	42.5	6.54	1596	1500	0.940	80	140.0	220.0	0	0.000	2885	2300	1.441	11.5		100	5.25	7.3	7 25	18 25	(0,000 dry kg) 33.13 % delisity assay
99/10/2012 1145912 (17) 8,876 390 40,6 6,18 1569 1550 0,866 71 1440 220 0 0,000 3065 230 1,487 14,5 2,5 150 8,26 4,5 7,6 2,75 74,40 74,50 24,50 74,50																									R-5: (1.75 hr) Plugged sample port
Section Sect																								24.75	R-4: (2.5 hr) Vacumax chute plugged
9/1/20/21 146912 (20) 9/12 380 40 9 7 1679 1690 0.893 64 166.3 220.3 13.000 0.000 3067 2253 1.342 13.5 0 1055 5 7.5 5.25 18.75																									R-4: (7.5 hr) Vacumax chute plugged
9/11/2012 1148812 (d) 39.448 6.34 50.0 1.005 75 145.0 220.0 0.000 3612 2300 1.541 13.5 0. 225 5. 7.7 8.25 19.25 9.25 9.27 9.26 9.25 9.27																									
### PM	9/11/2012	1140112 (20)	3,412	- 500			10/5	1000	0.033		160.5	220.3	13,000	0.000	3007	2233	1.342	13.5	u	105		7.5	5.25	16.75	ISO #4 (DPCU 001020-6): 41,400 wet lbs
9/13/2012 114/7112 22 9,117 360 41.9 6.58 1664 1500 0.901 73 1470 220.0 0 0.000 32/6 2200 1.245 12 0 120 6.5 6.8 6.8 6.8 150 1768 1500 0.849 6.8 1501 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471 12/24 8.420 1471	9/11/2012	1146812 (4)			39,448	6.34					<u></u>													l	
9/13/2012 1147/112 (22) 8,420 380 41.8 6.79 1768 1500 0.849 68 1520 2200 0 0.000 3266 2200 1.245 12 0 120 6.5 5.6 5.5 17.5 9/13/2012 1147/112 (22) 8,420 380 41.8 6.8 1521 1500 0.986 75 1450 2200 0 0.000 3090 2252 1.481 14.5 80 300 5.25 7.1 6.5 22 R-4: (1.0 hr) Vacumax filters in baghouse changed 18/04/2012 1147/112 (26) 9,260 380 41.4 6.07 1684 1500 0.994 7.5 147/04 2200 0 0.000 37/08 2400 1.516 13 0 90 7.5 5.3 5.25 18.25 1																									
9/13/2012 1147112 (24) 8,420 360 41.6 8.43 1521 1500 0.986 75 145.0 220.0 0 0.000 3090 2252 1.481 14.5 60 300 5.25 7.1 6.5 22 R-4: (1.0 hr) Vacumax filters in baghouse changed 19/13/2012 1147712 (25) 9,266 360 39.2 5.73 1584 1500 0.997 73 1470 220.0 0 0.000 3708 2400 1.516 13 0 90 7.5 5.3 6.8 6.5 18.25 (7.255 dry kg) 38.63% density assay 19/14/2012 1147912 (26) 9,200 360 41.4 6.07 1684 1500 0.992 50 1700 220.0 0 0.000 3708 2400 1.516 13 0 90 7.5 5.3 6.8 6.5 18.25 (7.255 dry kg) 38.63% density assay 19/15/2012 1148212 (27) 9,000 360 41 5.52 1607 1500 0.934 66 1540 220.0 0 0.000 2975 2400 1.494 18.5 2.5 75 7.5 5.3 8 2 80 chc held up for goen house his with 19/15/2012 1148412 (28) 8,730 360 41.1 5.51 1560 1500 0.984 66 1540 220.0 0 0.000 3411 2450 1.570 16 1.5 135 6.5 4.8 8 28 chc held up for goen house his with 19/15/2012 114812 (28) 8,890 360 41 5.55 1588 1500 0.984 60 1640 220.0 0 0.000 3288 2350 1.471 112.75 0 165 7 5 6.8 7.5 1.75 1.75 1.75 1.75 1.75 1.75 1.75																									
9/13/2012 1147712 (5)	9/12/2012	1147012 (23)					1/00	1900	0.049	- 00	152,0	220.0	<u> </u>	0.000	3200	2200	1.245	12		120	6.0	5.5	5.5	17.5	
9/13/2012 114/712 (25) 9,266 360 39.2 5,73 1584 1500 0,997 73 147.0 220.0 0 0,000 37/6 2350 1,412 11.75 0 90 7.5 5,3 5,25 18.25	9/13/2012	1147112 (24)	8,420	360	41.6	6.43	1521	1500	0.986	75	145.0	220.0	0	0.000	3090	2252	1.481	14.5	60	300	5.25	7.1	6.5	22	R-4: (1.0 hr) Vacumax filters in baghouse changed
9/14/2012 114/6712 (25) 9,266 360 39.2 5.73 1584 1500 0.947 73 147.0 220.0 0 0.0000 3708 2400 1.516 13 0 90 7.5 5.3 5.25 18.25 (7.25 br) kg) 38.63 41.4 6.07 1684 1500 0.992 50 170.0 220.0 0 0.0000 3778 2350 1.412 11.75 0 90 5.75 6.8 6.5 18.25 (7.25 br) kg) 38.63 41.4 5.52 1607 1500 0.994 40 171.0 220.0 0 0.0000 3411 2450 1.570 16 1.5 1.550 1.55					38 846	6.8																			
9/14/2012 114/912 (26) 9,220 360 41.4 6.07 1664 1500 0.902 50 170.0 220.0 0 0.000 3176 2350 1.412 11.75 0 90 5.75 6.8 6.5 18.25			0.000				4504	4500	0.047	70	447.0	000.0		0.000	2700	0.400	4.540	40					E 0E	10.05	(7,265 dry kg) 38.63% density assay
9/15/2012 1148212 (27) 9,000 360 41 5.52 1607 1500 0.934 66 154.0 220.0 0 0.000 2975 2400 1.494 18.5 2.5 75 7.5 5.3 8 29 6ch led up for open house of cheld																									
9/15/2012 1148412 (27) 9/10/2012 1149412 (28) 8,730 360 41 5.51 1560 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.55 1580 1500 0.991 49 171.0 220.0 0 0.000 3441 21.75 0 165 7 5.5 7.5 21.75 11.7	0/14/2012	1147012 (20)					1007	1000	0.002	- 00	170.0	220.0	<u>-</u>	0.000		2000	1.712	11.70					0.5	10,20	R-4: (2.5 hr) Waiting to start the longer bis-urea hold,
9/16/2012 1148812 (29) 8,890 360 41 5.55 1586 1500 0.946 40 180.0 220.0 0 0.000 3268 2350 1.481 21.75 0 165 7 5.6 7.5 21.75 9/17/2012 1149012 (30) 8,890 360 41.3 5.12 1598 1500 0.939 56 164.0 220.0 0 0.000 2981 2350 1.471 12.75 2 120 6 6.5 7.25 22 R-4: (2.0 hr) Sharing CBC scale with D-7 (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.19% density assay 14.40 wet lbs (7,469 dry kg) 38.48% density assay 14.40 met lbs (7,469 dry kg) 38.19% density assay 14.40 met lbs (7,469 dry kg) 38.48% density assay 14.25 0 90 6.75 5.9 6 17.75																									
9/17/2012 1149012 (30) 8,890 360 41.3 5.12 1598 1500 0.939 56 164.0 22.0 0 0.000 2981 2350 1.471 12.75 2 120 6 6.5 7.25 22 R.4: (2.0 hr) Sharing CBC scale with D-7 ISO (DPCU 0) 031044-3; 41,40 wet lbs (7.469 dry Ug) 03.1044-3; 41,40 wet lbs (7.46																									R-4: (1.5 hr) Vacumax belts broke
9/17/2012 1149512 (6) 39.721 5.4																									P-4: (2.0 hr.) Sharing CBC scale with D-7
9/18/2012 1149412 (31) 9,080 360 41.9 5.77 1657 1500 0.905 40 180.0 220.0 10850 0.000 3068 2400 1.448 12 8 150 7.25 5.5 5 25 R-4: (8.0 hr) Looking for CBC leak on cylinder blowout line (changed out vacumax filters at this time state of the control of the contro	37 1172012	1143512 (05)	0,000				1030	1000	0.000	- 55	107.0	220.0		0.000	2001	2000	1.471	12.70		120		0.0	1.20		
9/18/2012 1149412 (31) 9,080 360 41.9 5.77 1657 1500 0.905 40 180.0 220.0 10850 0.000 3068 2400 1.448 12 8 150 7.25 5.5 5 25 blowout line R-4: (38.25 hrs) Repairing CBC leak on cylinder B-4: (38.25 hrs) Repairing CBC leak	9/17/2012	1149512 (6)			39.721	5.4																			(7,469 dry kg) 38.19% density assay
9/20/2012 1149712 (32) 9/689 360 38.8 5.48 1642 1500 0.914 62 158.0 220.0 0 0.000 3420 2400 1.462 16 38.25 345 6.25 6.4 6.25 60.5 abdown time (changed out vacumax filters at this time production of the changed out va		44.0440.044						4500			4000		40050			0.400	4.44	40					_		
9/20/2012 1149712 (32) 9,689 360 38.8 5.48 1642 1500 0.914 62 158.0 220.0 0 0.000 3420 2400 1.462 16 38.25 345 6.25 6.4 6.25 60.5 as well) 9/21/2012 1150612 (33) 9,394 360 40.7 5.69 1668 1500 0.899 56 164.0 220.0 0 0.000 3402 2400 1.439 14.25 0 330 6.25 6.4 5 19.25 pluggage issues. Belts broke 9/21/2012 1150912 (34) 8,516 360 41.6 5.51 1539 1500 0.975 52 168.0 220.0 2858 0.000 3218 2400 1.559 11 1.75 90 5.5 7.3 5.75 18.5 R-4: (1.75 hr) Sharing scale with DDI 9/21/2012 1151612 (7) 9/22/2012 1151312 (35) 8,824 360 40.7 5.96 1563 1500 0.960 107 143.0 250.0 0 0.000 3521 2400 1.536 11.75 0 90 6.75 5.9 6 17.75	9/18/2012	1149412 (31)	9,080	360	41.9	5.77	1657	1500	0.905	40	180.0	220.0	10850	0.000	3068	2400	1.448	12	8	150	7.25	5.5	- 5	25	
9/20/2012 1149712 (32)			9.689	360	38.8	5.48												 		1					
9/21/2012 1150612 (33) 9,394 360 40.7 5.69 1668 1500 0.899 56 164.0 220.0 0 0.000 3402 2400 1.439 14.25 0 330 6.25 6.4 5 19.25 pluggage issues. Belts broke 9/21/2012 1150912 (34) 8,516 360 41.6 5.51 1539 1500 0.975 52 168.0 220.0 2858 0.000 3218 2400 1.559 11 1.75 90 5.5 7.3 5.75 18.5 R-4: (1.75 hr) Sharing scale with DDI 9/21/2012 1151612 (7) 9/21/2012 1151312 (35) 8,824 360 40.7 5.96 1563 1500 0.960 107 143.0 250.0 0 0.000 3521 2400 1.536 11.75 0 90 6.75 5.9 6 17.75	9/20/2012	1149712 (32)					1642	1500	0.914	62	158.0	220.0	0	0.000	3420	2400	1.462	- 16	38.25	345	6.25	6.4	6.25	60.5	
9/21/2012 1150612 (33)			9 394	360	40.7	5.69																			
9/21/2012 1151612 (7) 39.984 5.56																									
9/21/2012 1151612 (7) 39.984 3.58 9/21/2012 1151312 (35) 8,824 360 40.7 5.96 1563 1500 0.960 107 143.0 250.0 0 0.000 3521 2400 1.536 11.75 0 90 6.75 5.9 6 17.75	9/21/2012	1150912 (34)	0,515	300			1555	1300	0.975	- 52	100.0	220.0	2000	0.000	3210	2400	1.558	- 11	1.75	90	5.5	7.3	5.75	10.5	
9/22/2012 1151312 (35) 8,824 360 40.7 5.96 1563 1500 0.960 107 143.0 250.0 0 0.000 3521 2400 1.536 11.75 0 90 6.75 5.9 6 17.75	9/21/2012	1151612 (7)			39.984	5,56														1	ĺ	l	1		
9/22/2012 1151712 (36) 8.743 360 40.2 6.22 1529 1500 0.981 101 149.0 250.0 0 0.000 3218 2400 1.570 15 0 300 6 6.7 5 20	9/22/2012	1151312 (35)																							
		1151712 (36)				6.22	1529		0.981	101	149.0	250.0	0				1.570	15	0	300	6	6.7	5	20	
9/23/2012 1152012 (37) 8,680 360 41.4 6.39 1562 1500 0.960 87 163.0 250.0 5000 0.000 3348 2400 1.536 11 0 90 6.5 6.2 7 18 R-4: (3.5 hr) Vacumax issues, belts broke and	9/23/2012	1152012 (37)				-	1562	1500	0.960	8/	163.0	250.0	5000	0,000	<u>აა4</u> 8	∠400	1.536	11	U	90	6.5	b.2		18	R-4: (3.5 hr) Vacumax issues, helts broke and
9/23/2012 1152212 (38) 8,717 360 37.9 5.87 1437 .1500 1.044 77 173.0 250.0 0 0.000 3255 2030 1.413 15.25 3.5 255 7 4.8 6.25 25 plugging issues	9/23/2012	1152212 (38)	8,717	360	37.9	5.87	1437	1500ء	1.044	77	173.0	250.0	0	0.000	3255	2030	1.413	15.25	3.5	255	7	4.8	6.25	25	

								_				_												
9/24/2012	115271.	9,250	360	41.7	6.12	1682	1500	0.892	65	185.(<u>10.0</u>	3000	0.000	3460	2500	1.487	16,5	0	240		5.2	5.5	22	
			1	37.819	6.15]						!	į i							7			ļ	ISO #8 (DPCU 001232-2): 40,080 wet lbs
9/24/2012	1153212 (8)						L			İ	<u> </u>										l	L		(6,878 dry kg) 38.58% density assay
9/24/2012	1152812 (40)	8,581	360	43.2	6.36	1611	1500	0.931	_61	189.0	250.0	5000	0.000	3333	2400	1.490	12.25	0	105	6	6.7	11.25	20	R-5: (3.5 hr) Delay ST-26a being off-loaded
9/25/2012	1153312 (41)	9,120	360	40.5	5.69	1609	1500	0.932	61	189.0	250.0	0	0.000	3530	2300	1.429	13.25	0	180	6.25	6.1	6.25	19.5	
9/25/2012	1153612 (42)	9,323	359	41.2	6.02	1675	1500	0.895	103	147.0	250.0	0	0.000	2856	2400	1.433	13.75	0	120	7.5	5.3	7.5	21.25	
9/26/2012	1153812 (43)	8,629	360	41.8	6.62	1568	1500	0.957	81	169.0	250.0	0	0.000	3364	2400	1.531	14.5	0	60	6.5	6.2	6.5	21	
		9.976	360	38.8	6.16																			R-4: (9.5 hr) 7.25 hr from vacumax belts broke, 2.25
9/26/2012	1154312 (44)	9,976	360	30.0	0.16	1692	1500	0.886	89	161.0	250.0	0	0.000	2902	2400	1.418	11.5	9.5	45	6	6.7	8.5	29.5	hr from rotary valve siezed
				39.525	6.34	İ																		ISO #9 (DPCU 001236-4): 39,000 wet lbs
9/27/2012	_1154812 (9)		l	39.525	6.34																		1	(6,937 dry kg) 39.02% density assay
9/7/2012	1154612 (45)	9,200	360	39.5	6.34	1584	1500	0.947	60	170.0	230.0	0	0.000	3075	2231	1.409	12.75	0	105	7.75	4.8	5	17.75	
9/27/2012	1154912 (46)	8,947	360	41.4	6.31	1613	1500	0.930	88	142.0	230.0	22,541	0.000	3329	2400	1.488	10.75	0	75	6.25	6.4	4.75	15.5	
		9,000	360	39.9	6.7								i		1								1	R-4: (8.5 hr) Delay CBC leaks on vac-u-max, caused
9/28/2012	1155112 (47)					1564	1500	0.959	87	143.0	230.0	0	0.000	3348	2375	1.519	9.75	8.5	75	6	6.6	6.5	24.75	by improperly valved in 4-way valve enclosure.
9/28/2012	1155612 (48)	9,606	360	41	6.49	1720	1500	0.872	88	142.0	230.0	0	0.000	2786	2270	1.320	10.25	0	90	5.25	7.2	5.75	16	R-5: (1.0 hr) Delay, investigating CBC odor
9/29/2012	1155812 (49)	8,982	360	41.4	6.5	1619	1500	0.926	81	149.0	230.0	0	0.000	2462	2300	1.421	10.5	0	105	5,5	7.0	5.25	15.75	
9/29/2012	1156112 (50)	9,348	360	40.2	6.58	1639	1500	0.915	80	150.0	230.0	٥	0.000	2494	2400	1,464	10	0	90	5.5	7.3	5.5	15.5	
				60.744	0.00																			ISO #10 (DPCU 001201-9): 39,180 wet lbs
9/30/2012	1156412 (10)]]	38.741	6.89		}						1 1		J J				J		1			(6,884 dry kg) 39,21% density assay
9/30/2012	1156212 (51)	9,408	360	41.8	6.37	1716	1500	0.874	76	154.0	230.0	0	0.000	2585	2271	1.324	11	0	75	5.5	6.9	5.5	16.5	
9/30/2012	1156512 (52)	9,313	360	38.3	6.12	1555	1500	0.964	69	161.0	230.0	0	0.000	3564	2300	1,479	10.25	0	75	5.25	7.3	6.5	16.75	
															2600									Month end adjustment
Total		426789	16704			75853	70500		3495			62249		152343	112136		2856	147					Rate	Based on R-4 Cycle time, 1,550 Kgs/Batch
Average		9081		40.46	6.36	1614	1500	0.929	74	154	228	1324		3241	2336	1.448	13.03		130.21	6.22			21	

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TEU Production batch summary

Product codes 600 128 and 600-129

Run dates

R-8 9/15/2012 10/1/2012 18:00 0:00 R-9

9/16/2012 10/1/2012

20:00 0:00 R-10 9/17/12

9:00 10/1/2012 0:00

Code for Raw materials

		600-129	600 611		600 400		600 920			600 200		600 801								lbs/hr target	<u> </u>
Batch Date	Lot#or	Wet TEU production	Virgin T	oluene	Virgin [DEA	CB	С	25	% Causti	G	Н		Recycle DEA/Tol	Acid Split	R-8	R-9	Total	Down	Batch Rate	Comment
Finished	Batch #	total lbs	lbs	Factor	lbs	Factor	lbs	Factor	Total lbs	Dry lbs	Factor	lbs	Factor	lbs	lbs	Hrs	Hrs	hrs	hrs	lbs/hr]
																					R-8: 10 hr delay (ST-28 pump seal) & 5
9/17/2012	1148712 (1)	6848	0	0.000	1800	0.263	3057	0.446	12899	3225	0.471	515	0.075	4525	2085	28.00	12.00	39.00	15.00		hrs (sharing vaporizer with D-3).
9/18/2012	1149212 (2)	6435	0	0.000	2000	0.311	3221	0.501	13254	3314	0.515	604	0.094	4525	1926	20.00	11.00	30.00	2.00		R-8: 2 hr delay (phosgene leak)
9/18/2012	1149612 (3)	6405	0	0.000	1600	0.250	2875	0.449	11750	2938	0.459	490_	0.077	4525	2168	14.00	12.00	25.50	0.00	251.18	
																					R-8: 9 hr delay between batches
9/19/2012	1149912 (4)	6345	0	0.000	1500	0.236	2875	0.453	11850	2963	0.467	424	0.067	4525	1985	21.00	12.50	33.00	9.00	192.27	(phosgene leak)
9/20/2012	1150212 (5)	6189	0	0.000	1400	0.226	2875	0.465	12045	3011	0.487	510	0.082	4525	1943	16.00	12.00	27.00	0.00	229.22	
9/20/2012	1150412 (6)	6157	0	0.000	1500	0.244	2875	0.467	12580	3145	0.511	771	0.125	4525	2051	11.40	14.50	25.00	0.00	246.28	
9/21/2012	1150712 (7)	4950	0	0.000	1400	0.283	2875	0.581	12050	3013	0.609	726	0.147	4525	3603	16.00	18.00	33.00	4.00	150,00	R-9: 4 hr delay (PT-29 Full)
9/22/2012	1151012 (8)	5575	0	0.000	1400	0.251	2875	0.516	12460	3115	0.559	500	0.090	4525	1918	18.50	12.00	29.50	7.00	188.98	R-8: 7 hrs waiting for R-9 (PT-29 full)
9/23/2012	1151512 (9)	6180	0	0.000	1400	0.227	3218	0.521	13675	3419	0.553	694	0.112	4525	2252	14.00	32.50	45.50	18.50	135.82	R-9: 18.5hr delay (PT-29 & ST-14 Full)
9/24/2012	1151912 (10)	4882	0	0.000	1400	0.287	3100	0.635	14150	3538	0.725	1408	0.288	4525	4528	33.00	24.50	56.50	26.00	86.41	R-8: 10.5 hrs R-9: 15.5 5hrs (ffluent full).
9/25/2012	1152612 (11)	5272	0	0.000	1400	0.266	2875	0.545	12712	3178	0.603	907	0.172	4525	2502	24.00	24.50	47.50	22.50	110.99	R-8; 12.5 hrs R-9; 10.5 hrs (effluent full).
9/26/2012	1153112 (12)	5760	0	0.000	1400	0.243	2875	0.499	12621	3155	0.548	950	0.165	4525	2500	24.50	24.50	48.00	21.00	120.00	R-8: 6 hrs R-9: 15 hrs (effluent full).
9/26/2012	1153512 (13)	5850	0	0.000	1400	0.239	2875	0.491	12604	3151	0.539	627	0.107	4525	2450	28.50	15.00	42.50	14.00	137.65	R-8: 7 hrs R-9: 7 hrs (effluent full).
9/27/2012	1154012 (14)	6075	0	0.000	1400	0.230	2875	0.473	13021	3255	0.536	686	0.113	4525	2499	15.50	17.50	32.50	7.50	186.92	R-9: 7.5 hrs (effluent full)
9/27/2012	1154412 (15)	5610	0	0.000	1400	0.250	2875	0.512	12677	3169	0.565	1060	0.189	4525	3753	18.00	13.00	30.50	5.00	183.93	R-8: 5 hr (ST-28 pump seal)
9/28/2012	1154712 (16)	6525	0	0.000	1400	0.215	2875	0.441	13600	3400	0.521	861	0.132	4525	2600	14.50	9.50	23.00	0.00	283.70	
9/28/2012	1155212 (17)	4350	0	0.000	1400	0.322	2875	0.661	14400	3600	0.828	1835	0.422	4525	5838	12.50	12.00	24.00	0.00	181.25	
9/29/2012	1155412 (18)	5888	0	0.000	1400	0.238	2875	0.488	13000	3250	0.552	743	0.126	4525	2600 '	12.00	8.00	19.50	0.00	301.95	
9/29/2012	1155912 (19)	5460	0	0.000	1400	0.256	2875	0.527	13000	3250	0.595	720	0.132	4525	2293	9.50	11.50	20.50	0.00	266.34	
9/30/2012	1156012 (20)	6038	٥	0.000	1400	0.232	3065	0.508	13616	3404	0.564	522	0.086	4525	2502	12.00	17.00	28.50	5.50	211.86	R-9: 5.5 hr delay (PT-29 & ST-14 Full)
9/30/2012	1156312 (21)	6263	0	0.000	1400	0.224	2875	0.459	12343	3086	0.493	660	0.105	4525	2644	28.00	12.00	39.50	17.00	158.56	R-8: 17 hrs waiting for R-9 (PT-29 full)
Totals		123057	0		30800		61661		270307	67577		16213		95025	56640	390.90	325.50	700.00		4013.40	
Averages			0		1467		2936		12872	3218		772		4525	2697	18.61	15.50	33.33		191.11	

Production Data for Vilsmeier TEU production

Code for Raw materials

		600-128	600-611		600-400		600-920			600-200		600-801					
Batch Date	Lot#or	Dry TEU production	_	Foluene	Virgin E	DEA	CI	зс	25	i% Causti	c	Н	CL	Recycle DEA/Tol		Total	Comments
Finished	D-4-1-4	4-4-1 11-	10-	F4	11	-		F 4	T-4-1 11	D II	F4		F4	11	11.	Time	
Finished	Batch #	total lbs	lbs	Factor	lbs	Factor	lbs	Factor	Total lbs	Dry lbs	Factor	lbs	Factor	lbs	ibs	hrs	
9/19/2012	1150112 (1)	18700	0	0.000	5400	0.289	9153	0.489	37903	9476	0.507	1609	0.086	13575	6179	11,50	
9/21/2012	1150812 (2)	16850	0	0.000	4400	0.261	8625	0.512	36475	9119	0.541	1705	0.101	13575	5979	11.0	
9/24/2012	1152312 (3)	16480	0	0.000	4200	0.255	8968	0.544	38185	9546	0.579	1920	0.117	13575	7773	8.5	
9/27/2012	1153912 (4)	15000	0	0.000	4200	0.280	8850	0.590	39483	9871	0.658	3265	0.218	13575	9530	15.5	
9/28/2012	1155312 (5)	15970	0	0.000	4200	0.263	8625	0.540	38302	9576	0.600	2373	0.149	13575	8702	9.0	
9/29/2012	1155912(6)	15700	0	0.000	4200	0.268	8625	0.549	41000	10250	0.653	3439	0.219	13575	11038	11.5	
9/30/2012	1157512 (7)	17400	0	0.000	4200	0.241	8815	0.507	38959	9740	0.560	1902	0.109	13575	7439	9.0	
				1			2003			(250)		-213	1				Month End Adjustments
Totals		116100	0	0.00	30800	0.265	63664	0.548	270307	67327	0.580	16000	0.138	95025	56640	76	
Averages		16586	0									845		13575	7439	9.00	

Material used for cleaning this month.

NaOH

Dry lbs

Pentyl Chloroformate Production batch summary

10/1/2012

Product code 100 903

Run Dates R-1

R-3

9/2/2012 0:00 0:00:00

2-Sep 0:00

9/7/2012 9/10/2012 0:00:00 Cleaning

7-Sep 12:00 10-Sep 12:00

Code for Raw materials

				good prod			600-161	1		600-920									
		-	Heel A	dded to R				Pentano	oi.				Carb	Total		R-1	Simo &	R-3	
Batch Date	Lot # and	Packout		1	Actua	l Yield			•	1	Phosgene)	result	time	Down	Time	Hold	Time	Comments
Finished	Batch #	kg	kg	Lot	kg	lbs	lbs	Factor	kg	lbs	Factor	Excess	<0.5 Spec	Hrs	hrs	hrs	hrs	hrs	
9/2/2012	1141912 (7)	4600	0	1141412	4600	10141	5600	0.55	2540	11250	1.11	1.79	0.33	49.00	0.00	21.00	11.25	29.00	23 x 200 kg
9/3/2012	1142512 (8)	4000	0	1141912	4000	8818	5600	0.64	2540	11250	1.28	1.79	0.33	48.00	0.00	29.00	12.00	20.00	20 x 200 kg
9/5/2012	1143112 (9)	4800	0	1142512	4800	10582	5600	0.53	2540	11250	1.06	1.79	0.33	57.00	0.00	20.00	12.00	38.00	24 x 200 kg
																			20 x 200 kg; 19 hr delay between
9/6/2012	1143712 (10)	4000	0	1143112	4000	8818	5600	0.64	2540	11250	1.28	1.79	0.35	69.00	19.00	38.50	13.00	31.50	batches (no phosgene)
9/7/2012	1144012 (11)	3077	0	1143712	3077	6784	2720	0.40	1234	7121	1.05	2.33	0.23	45.50	0.00	31.50	6.50	15.00	15 x 200 kg & 1 x 77 kg
				1					(385)	2000									Month end adjustments
Totals		20477	0		20477	45144	25120		11009	54121				268.50	19.00	140.00	54.75	133.50	
Averages		4095	0	1	4095	9029	5024			10424						28.00		26.70	

168 Production Rate lbs/Reactor hr (R-1 & R-3)

Aditional materi	al used for transiti	on out of penty	1 CF		
NaOH	Dry lbs	25% NAOH		 	
MeOH	2000 lbs		<u></u>		
32% HCL	250 lbs				
Notes:					

HEGCL Production Batch Summary

Product code

100-128

Start Date End Date Cleaning

R-9

R-10

Code for Raw materials

				100-128	600-128		600 400)	600 200	10		600-200		600 611	600 80	1							
Batch Date	Run#		HEGCL		Dried	TEU		DEA	C	ВС		25% NaOH		Toluene	HCL	Total	Down	R-8	R-9	R-10	PT-33	Batch rate	Comments
Finished	Batch #	Total lbs	Assay	Dry lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Dry Ibs	Factor	Lbs	lbs	Hrs	Hrs	15 hrs	Hrs	15 hrs	Hrs	lbs/hr	
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					ing b	roudcuort from previous campaign.
Material used for	r cleaning this mo	onth out of HEG	CL		#DIV/0!	Production Rate lbs/hr R-8 cycle time onlyDRIVES THE SHOW ON CYCLE TIME!
NaOH	Dry lbs	259	6 NAOH		#DIV/0!	Production Rate lbs/Reactor hr With down times
Methanol	lbs	TEU >>	Days	0 TEU total hrs previous month	#DIV/0!	OVER-all HEGCL Production Rate with TEU hrs
32% HCL	lbs					
Toluene	lbs		Days _	0 TEU hrs this month.		
Makeel				0 TELL total has for ording assessing		

PTSI Production batch summary

Production reported in lbs
Product code 100-600
Run dates 0:00

PTSA balance

137,898	Beginning of month
74,957	Receipts
۵	Usage
212,855	Inventory

Cleaning

10/1/2012

												Total								,
Date Batch Finished	Run#	PTSI	Rework added	PT	SA		NBI	MCB (FRESH into ST-8)	Phosgene	Res	R-4 cycle time	Reaction	R-4 Down tme	R-4 PTSA time	R-4 CBC	R-4 Hold time	Ave CBC RATE	Distilled Time	Batch time	Comments
	100-600	 		600	-610	6	000 452	600 441	100-2000		<7 target	time <5 target	0 Target	< 40 Mins	<250	60	>11		 	
	Lot#	Lbs.	lbs	lbs	Factor	Lbs	Factor	Factor	Factor	lbs	Hours	Hours	Hours	Minutes	Minutes	Minutes	lbs/min	Hours	Hours	
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NaOH	25% NAOH	
32% HCL		
MeOH		
Xylene		

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#DIV/0!	

Monthly production rate base on R-4 cycle time, NO DOWN TIME

Monthly production rate base on Total time (downtime), and posted production

Benzyl Chloroformate Production batch summary

Product code 100 120

Run dates

R-3

Cleaning

				None (good	product)	100-120	600-120		600-920						2	75 lbs/hr targ	jet
Batch Date	Lot # and	Drum	ST	Heel used	Lot of heel	Actual Yield	BZ	ОН	Pho	sgene	R-1	S+H.	R-3	Total	Down	Batch Rate	Comments
Finished	Batch #	kg	total lbs	lbs	used	lbs	lbs	Factor	lbs	Factor	hrs	hrs	hrs	Hrs	hrs	lbs/hr	
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Aditional material use	ed for transition out of BCF	#DIV/0! Production Rate Ibs/hr R-1 cycle time only.
NaOH	Dry lbs 25% NAOH	#DIV/0! Production Rate lbs/Reactor hr With down times
32% HCL	lbs	#DIV/0! Production Rate Ibs/Reactor hr Without down time
MeOH	lbs	
Notes:		

Product code

Run dates

R-10

FD

Cleaning									100-118		Code	e for Ra	w materials 600-428		100-120)	300-61	i						
Batch Date	Run #	R	BCF add time	AVG BCF rate	Molar % Hydz	%F	HBAD	Product Yield BCF Based	lbs out to trailer (Wet)	Assay of Batch	Total Dry product		HYDRAZ	INE	В	CF	Calc. Toluen	R-9/8 Cycle REACTING	R-8/9 Down time			F/D Cycle time	Total Batch time	Comments
Finished	Batch #		hours	lb/hr	TARGET	R-10	Final	Yield	lbs	Dry	kgs	in	lbs	Factor	lbs	factor	lbs	hrs	hrs		hrs	hrs	hrs	
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Material used for cleaning this month out of Benzyl Carb

Methanol Toluene

MATERIAL USED FOR CLEANING.

25% NaOH

Notes:

Averages

dry lbs

32% HCL lbs

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Tons/day

Days total hours

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lbs/hr Production rate based on R-8/9, NO DOWN TIME

- #DIV/01 #DIV/01 #DIV/01

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lbs/hr Production rate based on R-8/9, With Down time lbs/hr Production rate based on Filter drier.

#DIV/0 ibs/hr Production rate based on R-10 cycle times. #DIV/0!

#DIV/01 #DIV/01

lbs/hr Over-all Rate based on total hrs minus FD hrs (U-T)

TARGET RATE is to stay about 65 lbs/hr WITH TOTAL DOWNTIME,

DIDCC production Batch summary in D-1

10/1/2012

Product code

100 052

R-1 Run dates

R-3

#DIV/01

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Cleaning

Totals

Averages

Code for Raw materials

		100 052	300)-123	600-	-611	600)-615	100	-2000								Target 20 lb/	/hr	
Batch Date	Run#	DIDCC	Ī	OID	Virign 1	oluene	Distilled	Toluene	Pho	sgene	Rxn	%Urea		Tin	ne Hour	s		Batch Rate	Comments	
Finished	Batch #	kg	kg	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Conc	1% max	R-1	S+H	R-3	Down	Total	lb/hr		
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Material used for cleaning this month out of DIDCC

#DIV/0! #DIV/0!

25% NaOH dry lbs Toluene lbs Methanol HCL lbs bs

	#DIV/0!	Production Rate lbs/hr R-1 cycle time only.
Γ	#DIV/0!	Production Rate lbs/Reactor hr NO DOWNTIME
Ī	#DIV/0!	Production Rate lbs/Reactor hr With down times

#DIV/01

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0.00

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MTSI Production batch summary

Production reported in kgs.
Product code 100-945
Run dates

Cleaning

Code for Raw materials

Average																								
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						100-945	300-			600 452		600			100-2									
		and flush												flush						charge)				
Finished	Batch #	w/solvent	line flush amount	%NCO assay	impurities Summary	Basis	MT	SA		NBI LBS		into		Fresh (with Line	Phos	gene	BATCH Time	time	addition time	and 2nd	RATE	R-5 Time	Batch time	Comments
Date Batch		MTSI (wet) total	Transfer	MTSI	Total	MTSI Dry						Xylenes	(FRESH	R-5 Total		1	R-4	R-4 Down	MTSA	time (1st	Ave CBC		Total	
		SATEL GUAN	1											Xylene to					- 1	CBC add				

kgs/hr

#DIV/0! | Monthly production rate base on Total time (downtime), and posted production #DIV/0! Monthly production rate base on R-4 cycle time, NO DOWN TIME

0.0 Total days.

Cleaning solvents

VDM00802

10/1/2012

TBBA Polycarbonate: production sheet

Product code

100-131

Run dates

R-8

R-9

R-10 PT-33

PCP-01

FD

10/1/2012

		100-131	600	-940	600-	-937	600-	938	100	-2000		600-200		600-935	600-943	600-936	600-944	600-801
Batch Date	Run#	ТВВА РС	TBBA N	lonomer	PT	ВР	DM	AP	Pho	sgene		25% NaOl	1	MeCl2	Recycle MeCl2	Heptane	Recycle Heptane	32% HCL
Finished	Batch #	kg	kg	Factor	kg	Factor	kg	Factor	lbs	Factor	lbs	Dry Ibs	Factor	Lbs	Ibs	Ibs	Lbs	Lbs
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Totals		0	0	#DIV/0!	0.000	#DIV/0!	0.0000	#DIV/0!	0	#DIV/0!	0	0	#DIV/0!	0	0	0	0	0
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Batch Date	Run #	ТВВА РС	R-8	R-9	R-10/ PT 33 / PCP	FD	Delays	Total		Comments
Finished	Batch #	kg _	hrs	hrs	hrs	hrs	hrs	hrs	lbs/hr	
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										Month End Adjustments
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#DIV/0! Production Rate Ibs/hr, with down time

NaOH

OH 25% NAOH

#DIV/0! Production Rate Ibs/hr, WITH NOT down time

MeCI2 HCL

TBBHPF Polycarbonate: production sheet

10/1/2012

Product code

100-132

Run dates R-8 R-9

FD

Cleaning

		100-132	600	-941	600	-939	600	-937	600-9	938	100-2	2000		600-200	
		TBBHPF													
Batch Date	Run #	PC	TBBHPF	Monomer	BT	EAC	PT	ВР	DMA	λP	Phos	gene		25% NaOH	1
Finished	Batch #	kg	kg	Factor		Factor	kg	Factor	kg	Factor	lbs	Factor	lbs	Dry lbs	Factor
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			600-935	600-943	600-936	600-944	600-801								
		TBBHPF		Recycle		Recycle			R-9 / R	PT-33 /				Batch	
Batch Date	Run #	PC	MeC12	MeCl2	Heptane	Heptane	32% HCL	R-8	10	PCP	FD	Delays	Total	Rate	Comments
Finished	Batch #	kg	Lbs	lbs	lbs	Lbs	Lbs	hrs	hrs	hrs	hrs	hrs	hrs	lbs/hr	
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Material used for cleaning this month out of TBBHPF Polycarbonate

NaOH MeCl2 HCL 25% NAOH dry lbs

lbs lbs

lhe

#DIV/0! Production Rate lbs/hr, with down time

#DIV/0! Production Rate lbs/hr, WITH NOT down time

Propargyl Chloroformate Production batch summary

Product code 600-156

Run dates

Cleaning out

		600-156	600-155		600-920			275 lbs/hr target									
Batch Date	Lot#or	Amount	PC	DН	Phos	gene	R-1	S+H.	R-3	Total	Down	Batch Rate	Comments				
Finished	Batch #	total lbs		Factor	lbs	Factor	hrs	hrs	hrs	Hrs	hrs	lbs/hr					
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Aditional material u	ısed for transition oા	ıt ofPCF	#DIV/0!	Production Rate Ibs/hr R-1 cycle time only.
NaOH 32% HCL MeOH Notes:	Dry lbs lbs lbs	25% NAOH - -	#DIV/0!	Production Rate Ibs/Reactor hr With down times

PNBC Production with PCF route: production sheet.

Product code

100-156

Run dates

Cleaning

Code for Raw materials

			Code for r	raw mate	riais														
		100-156	600-156_		600-400			600-200			600-801						10	00 lbs/hr tar	get
Batch Date	Run#	PNBC	PC	F	N!	BA		25% NaOH		Salt NACL	HCL	R-3	Times (hrs)	R-1 t	imes	Total	Batch Rate	Comments
Finished	Batch #	Total lbs	Total lbs	Factor	lbs	Factor	Total lbs	Dry lbs	Factor	Lbs	Total lbs	Total	Simo	Delays	Total	Delays	Hrs	lbs/hr	
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Material used for cleaning this month out of PNBC

NaOH

Dry lbs 25% NAOH

Methanol

lbs lbs

HCL

Notes:

#DIV/0! Monthly production rate base on R-3 cycle time, NO DOWN TIME			
#DIV/0! Monthly production rate base on R-3 cycle time, WITH DOWN TIME			
#DIV/0! Monthly production rate base on Total time (downtime), and posted pro	duction		
NORMALIZED to (3) reactors for Charging of time spent on making PCF			
#DIV/0! Monthly production rate base on Total time PCF and PNBCOnly accurate	ırate at end of ca	mpaign.	

ESPI Production batch summary

Production reported in kgs.
Product code 100-501
Run dates

Cleaning

Code for Raw materials

					Naw material									_										
Date Batch Finished	Batch #	ESPI (wet) total w/solvent and flush	Transfer line flush amount	ESPI %NCO assay	Total impurities Summary	ESPI Dry Basis		ESPA N		NBI LBS		Xylenes (FRESH into		Xylene to R-5 Total Fresh (with Line flush	Phosgene		R-4 BATCH Time	R-4 Down time	ESPA addition time	CBC add time	Ave CBC RATE	R-5 Time	Total Batch time	Comments
						100-501	300-5	00		600 452		600 1	02		100-	2000	-							
	Lot #	Lbs.	Lbs.	%		ka	ka	Factor		$\overline{}$	Total	Lbs	Factor	lbs	Lbs	Factor	hrs	hrs	hrs	hrs	lbs/min	hrs	hrs	
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#DIV/0! | Monthly production rate base on Total time (downtime), and posted production kgs/hr #DIV/0! Monthly production rate base on R-4 cycle time, NO DOWN TIME kgs/hr

0.0 Total days.

10/1/2012

10/1/2012

Product code Run dates 100-725

R-9

R-10

. FD

		100-725			600-923	600-428	600-119		600-801	600-126	600-918	600-619	600-917		600-440		
Batch Date	Run #	DBAD Packed out	Rework Added	DBAD produced	Soda Ash	Hydrazine	BCF	Distilled MCB	HCL 32%	Chlorine	Hydrogen Peroxide	Sodium Bisulfite	Chloro form	Distilled Heptane	Fresh MCB	25%	NaOH
Finished	Batch #	Total kgs	kgs	kgs	Total lbs	lbs	lbs	lbs	lbs	lbs	lþs	lbs	lbs	lbs	lbs	Wet	Dry
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		DBAD	Rework	DBAD	R-8 Cycle	R-8	R- 9/ PT-24	R- 9/PT-24	R-10 Cycle	R-10 Down	F/D Cycle	FD Down	Total Down	Total Batch	
Batch Date	Run#	Packed out	Added	produced	time	Downtime	Cycle time	Down time	Time	Time	time	Time	time	time	Comments
Finished	Batch #	Total kgs	kgs	kgs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	
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Material used for cleaning this month out of DBAD

Methanol ibs 25% NaOH dry lbs 32% HCL lbs

#DIV/0!	lbs/hr	Production rate based on R-8							
#DIV/0!	lbs/hr	Production rate based on R-9 & PT-24							
#DIV/0!	lbs/hr	Production rate based on R-10							
#DIV/0!	lbs/hr	Production rate based on Filter Dryer							
#DIV/0!	lbs/hr	Over-all Rate based on total hrs minus FD hrs							
TARGET RATE is to stay about 30 lbs/hr WITH TOTAL DOWNTIME,									

VDM00808

Ethyl Chloroformate Production batch summary

10/1/2012

Product code 100 904

Run dates

Cleaning:

Code for Raw materials

None (good product) 600 904 600-920

			110.10 (3000							****				
Batch Date	Lot # and	Total drummed	Heel used	Lot of heel	Actu	al Yield		Ethanol		Phos	sgene	Down	Run time	Comments
Finished	Batch #	transferred kg	kg	used	lbs	kg	lbs	kg	Factor	lbs	Factor	Hours	Hours	
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Averages		#DIV/0!	0		0	0	#DIV/0!	0		#DIV/0!				

Aditional material us	ed for transition out of ethyl CF		
NaOH	Dry lbs	#DIV/0! Production Rate lbs/hr R	-1 cycle time only.
MeOH	lbs	#DIV/0! Production Rate Ibs/Rea	ctor hr With down times
32% HCL	lbs		
Notes:			

97% Vilsmeier Production batch summary

10/1/2012

Product code 100 402

Run dates

Heptane distillation

Cleaning

Cleaning

Product codes

GOOD MATERIAL

Flounct code:	-	100-402		600-410	<u> </u>	600-413		600-616				100-2000)				38	bs/hr Targ	et
Batch Date	Lot#	9.	7%	Virgi	n DMF	Distille	d DMF	Virgin I	leptane	Distilled	l Heptane	Phos	sgene	NMR	Titration	Total	Delays	Batch Rate	Comments
Finished		lbs	kgs	ibs	Factor	ibs	Factor	lb	Factor	lbs	Factor	lbs	Factor	Assay	Assay	hrs	hrs	lbs/hr	
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Aditional material used for transition/cleaning.

Methanol DMF

0 gallons

gallons

lbs 0 lbs #DIV/0! Production Rate lbs/hr, with down time

#DIV/0! Production Rate lbs/hr, WITH NOT down time

PTSI Rework Production batch summary

Production reported in lbs

Product code

100-600

Run dates

Date Batch Finished	Run #	P	TSI	Rework	c added	Distilled Time	Comments
		100-600	200-600	100-600	200-600		
	Lot#	lbs	lbs	lbs	lbs	Hours	
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	***	-					Month end adjustment
Total		0	0	0	0	0	
Average		#DIV/0!				#DIV/0!	

10/1/2012

Aditional material used for transition out of PTSI

NaOH

25% NAOH

32% HCL MeOH

Xylene

VDM00811

Saltidin: production sheet

Product code Run dates

100-729

0 Days

		100-729	100-729	100-160		300-901			600-200		600-611	600-623	600-801		
Batch Date	Run#	Sa	ltidin	SB	CF	HE	PP	2:	5% NaOH	-	Virgin Toluene	Recycle Toluene	32% HCL	R-9	
Finished	Batch #	lbs	kg	lbs	Factor	lbs	Factor	lbs	Dry lbs	Factor	Lbs	lbs	Lbs	hrs	П
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NaOH Methanol HCL

Dry lbs 25% NAOH lbs

#DIV/0! Pro #DIV/0! Pro

ibs

Notes:

Sec-Butyl Chloroformate Production batch summary

10/1/2012

Product code 100 160

R-1 Run dates

R-3 Run dates

R-1

R-3

Cleaning

150 lbs/hr target

			None (good	product)	100-160 600-160 600-920									1	50 lbs/hr targ	et
Batch Date	Lot # and	Total drummed	Heel used	Lot of heel	Actual Yield	SE	ЗОН	Pho	sgene	R-1	S+H.	R-3	Total	Down	Batch Rate	Comments
Finished	Batch #	transferred lbs	lbs	used	lbs	lbs	Factor	lbs	Factor	hrs	hrs	hrs	Hrs	hrs	lbs/hr	
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4-TFMPI production Batch summary

10/1/2012

Product code Run dates

100-902

		100-902	300-902		600-611				600-920									
Batch Date	Run#	4-TFMPI	4-TF	MA	Virgin 7	Toluene	Recycle To	luene	Pho	sgene	Residue	R-4	R-5	Distill	Down	total	Batch rate	Comments
Finished	Batch #	kg	kg	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Ibs	hrs	hrs	hrs	hrs	Hours	kg/hr	
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Material used for cleaning this month out of 4-TFMPI	#DIV/0!	Production Rate lbs/hr R-4 cycle time only.
	#DIV/0!	Production Rate lbs/Reactor hr With down times

2,4-DCBHA: production sheet.

10/1/2012

Product code

Run dates

Cleaning

-			100-103	600-929		600-930		600-111	600-113	600-813	600-919	600-931	600-933	60	0-200	600-801	600-932	600-934		
Batch Date	Run #	2-4-D	СВНА	HA	AFB	2,4-0	OCBCL	Virgin IPOH	Recycle IPOH	Virgin MeOH	Recycle MeOH	EDTA	ксоз	25%	NaOH	32% HCL	Bleach	Thio	Batch time	Comments
Finished	Batch #	lbs	kg	kg	Factor	kg	Factor	Lbs	lbs	Lbs	lbs	lbs	lbs	lbs	Dry lbs	Lbs	lbs	lbs	Hours	
			0.0	0	#DIV/0!	0	#DIV/0!	0	0			0	0	0	0	0	0	0		
			0.0	0	#DIV/0!	٥	#DIV/0!	0	0			0	0	D	0	٥	0	0		
			0.0										T					1		Reworked charged/ MeOH recovered
Totals		0	0.0	0	#DIV/0!	0	#DIV/0!	0	0	0	0	0	0	0	0	0	0	0	0.0	
Averages		#DIV/0!	0	0		0		0	0	#DIV/0I	#DIV/0!	0	0	0	0	0	0	0	#DIV/0!	

Material used for cleaning this month out of 2,4-DCBHA
NaOH 0 25% NAOH
Methanol
Methanol

IPOH

Cleaning

Notes:

VDM00815

Product code 100 -101 R-1 Run dates

R-2 Run dates

R-3 Run dates

		100-101	600-217		600-107		600-900							100 lbs/hr rat	te
Batch Date	Lot#	Avenal	Maco	1 374	Ali	quat	Phos	gene	R-1	R-2	R-3	Delays	Total time	Batch Rate	Comments
Finished		lbs	lbs	Factor	lbs	Factor	lbs	Factor	hours	hours	hours	hours	Hours	lbs/hr	
				#DIV/01		#DIV/0!		#DIV/01						#DIV/01	
				#DIV/0!		#DIV/01		#DIV/01				}		#DIV/0!	
													•		Month End Adjustments
Totals		0	0		0		0		0	0	0	0	0	#DIV/0!	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		Ì		Ĺ	#DIV/0!	#DIV/0!	

Aditional material used for transition.

Methanol 25% NaOH

dry lbs

Target Production Rate for campaign, 100 lbs/hr.

#DIV/0! Rate with DOWNTIME/DELAYS.
#DIV/0! Rate with OUT down time.

VERY GOOD PRODUCT, Strong Through-put set-up like Above runnig in D-1 was VERY Good!

Product code 100 -101

R-1 Run dates

R-2 Run dates

R-3 Run dates

		100-099			600-107		600-900						•	100 lbs/hr targ	get
Batch Date	Lot#	Avenal	NEOD	OL 25-9	A	liquat	Phos	sgene	R-1	R-2	R-3	Delays	Total time	Batch Rate	Comments
Finished		total lbs	lbs	Factor	lbs	Factor	lbs	Factor	hours	hours	hours	hours	Hours	lbs/hr	
				#DIV/01		#DIV/0!		#DIV/0!						#DiV/0!	
				#DIV/0!		#DIV/0!		#DIV/0!						#DIV/0!	·
				#DIV/0!		#DIV/01		#DIV/0!						#DIV/0!	
															Month end adjustments
Totals		0	0	#DIV/0!	0	#DIV/0!	0	#DIV/01	0	0	0	0	0	#DIV/0!	
Averages	_	#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!						#DIV/0!	#DIV/0!	

Aditional material used for transition.

Methanol lbs

25% NaOH 32% HCL

dry lbs

lbs

Target Production Rate for campaign, 100 lbs/hr.

#DIV/0! Rate with DOWNTIME/DELAYS.

#DIV/0! Rate with OUT down time.

CHDI production Batch summary

10/1/2012

Product code

100-122

Run dates

4/25/2011

6:00

		100-122	300-110	300-110	600-440		300-111		600-920								
1	Run#	CHDI	CH	IDA	M	СВ	D.	XΕ	Phos	sgene		R-9 time	s (hrs)		Distill	Total	Comments
	Batch #	lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Simo	Heat up	Hold	Total	hrs	hrs	
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!							
4		-	-										_	 	_		
				#DIV/0!		#DIV/0!]	#DIV/0!	L	#DIV/0!							

Batch Date	Run#	CHDI	CH	DA	MC	В	D)	(E	Phos	sgene		R-9 time	s (hrs)		Distill	Total	Comments
Finished	Batch #	lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Simo	Heat up	Hold	Total	hrs	hrs	
İ				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!							
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!							
		 	<u> </u>														
otals		0	0		0		0		0					0			
verages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			<u> </u>	#DIV/0!			

Material used for cleaning this month out of CHDI into PTSI/Carbaester MCB Ibs

Methanol

32% HCL

lbs lbs

50% NaOH

dry lbs

Product code

100-150

Run dates

Code for Raw materials

600-150 100-2000 600-817

				200-100		100-E000		000-017								
Batch Date	Run #	PHCF	Package	PI	НОН	Pho	sgene	TM	IAC	Res	idue	R-1 Time	R-3 Time	Total Time	PCV	Comments
Finished		lbs	Drum/ISO	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Hours	hours	Hours	psig	
					#DIV/01		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0! #DIV/0!		#DIV/0!		#DIV/0!	-	#DIV/0!					Month End Adjustment
		0		0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!					
Averages		#DIV/0	!	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!						

Material used for cleaning

NaOH Methanol Toluene Dry lbs lbs lbs

Notes:

0

ADI production Batch summary

10/1/2012

Product code Run dates

100-731

0 Days

Code for Raw materials

		100-731	1st pack-out	300-731			600-102		600-617		600-920									
Batch Date	Run#	ADI Pack	Material Balance % Assay		DA	Pre-cut	Virgin	Xylene	Pacycle	e Xylene	Phos	sqene	total	ADI	Hvd Cl	Omega Chlorides	Solvent	color	Comments	R-4 Material
Finished	Batch #	lbs	lbs	Ibs				Factor	Ibs	Factor	lbs	Factor			ppm	ppm	ppm	COIGI	Oblifficities	75% of waste
Timonou	Daton #	100		100	#DIV/0!			#DIV/0!	10	#DIV/01	120	#DIV/0I	Hours		PP-111	PPIII	FEIII			
					#DIV/0!			#DIV/01		#DIV/0!		#DIV/0!								
					#DIV/0!			#DIV/0!		#DIV/0!		#DIV/0!								
					#DIV/0!			#DIV/01		#DIV/0!		#DIV/0!								
					#DIV/0!			#DIV/0!		#DIV/01		#D(V/0)								
					#DIV/0!			#DIV/01		#DIV/0!		#DIV/0!			<u> </u>	_			L	
					#DIV/0!	<u> </u>		#DIV/01		#DIV/0!		#DIV/0!	<u></u>							
																			Month End Adjustments	
Totals		0	0	0	#DIV/01	0	0	#DIV/01	0	#DIV/01	0	#DIV/01	0							0
Averages		#DIV/0!		#DIV/0!	#DIV/0!	1	#DIV/0!	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	ŀ	

Material used for cleaning this month out of ADI

Product code

100-108

Run dates

Code for Raw materials

		100-108	600-109		600-452		600-108		600-110		600-111		600-113			
Batch Date	Run#	Actionyl	F	IEA	i i	√BI	HC	MME	E	BHT	ISP	ОН	Tin	(II)	Time	Comments
Finished	Batch #	lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Hours	
-																
			-								 					
			ļ		-		ļ								_	
Totals	0	0	0		0		0		0		0		0		0	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Material used for cleaning for Acticryl

NAOH 0 lbs

Methanol

0 lbs

#DIV/0! Lbs/hr

Notes:

600-108	4-Methoxyphenol HQMME - Acticryl
600-109	2-Hydroxyethyacrylate (HEA) - Acticryl
600-110	Butylated Hydroxytoluene (BHT) - Acticryl
600-111	Isopropyl Alcohol -Acticryl
600-113	Tin Octanoate (II) -Acticryl

Product code 100 100

Run dates

Product codes

GOOD MATERIAL

		100-100		600-216		600-107						
Batch Date	Lot # or	Αv	enal	Macol	25-15	AI	iquat	Phos	sgene	Water	Run time	Comments
Finished	Batch #	total lbs	Total kgs.	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Hours	
					#DIV/0!		#DIV/0!		#DIV/0!			
					#DIV/0!		#DIV/0!		#DIV/0!			
					#DIV/0!		#DIV/0!	1	#DIV/0!			
												Month End adjustment
Totals		0	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/01	0	0	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	

Aditional material used for transition.

Methanol 0 gallons

DMF

0 gallons 0 gallons 0 gallons

0 lbs 0 lbs

Acetone

0 lbs

Lauroyl Chloride Production batch summary

10/1/2012

Product code 100 -900

Run dates

to

Product codes

		100-900		600-903		600-410		600-900			
Batch Date	Lot # or	Lauroyl Cl	Lauroyi Ci	Lauric Acid	Lauric Acid	DMF	DMF	Phosgene	Phosgene	Run time	Comments
Finished	Batch #	total lbs	Total kgs.	lbs	Factor	lbs	Factor	lbs	Factor	Hours	
					#DIV/01		#DIV/0!		#DIV/0!		
Totals	0	0	0	0		0		0		0	
Averages		#DIV/01	0	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Aditional material used for transition.

Methanol

gallons

0 lbs

Product code

100 157

Run dates

1/21/2005 to

1/29/2005

8 Days

Code for Raw materials

				with inimportant								
		100-157	600 158		600 452		600 104		600 105_			
Batch Date	Run#	PNBC	POH	POH	NBI	NBI	TEA	TEA	Tin	Tin	Crude time	Comments
Finished	Batch #	lbs	lbs	Factor	lbs	Factor		Factor		Factor	Hours	
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/01		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				#DIV/0!		#VALUE!		#DIV/0!		#DIV/0!		
				#DIV/0!		#VALUE!		#DIV/0!		#DIV/0!		
Totals		0	0		0		0		0		0	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Material used for cleaning this month out of PNBC

POH 0 lbs

Acetone 0 lbs Methanol 0 lbs

Toluene 0 lbs

Notes:

total Raw materials added

0

0 difference

IECC PRODUCTION

Product code Run Dates

2/10/2006

Code for Raw materials

		400 440													
		100-112				600-112		600-611		600-430		600-920			
Batch Date	Run #	IECC	% assay	IECC dry	Purity	DEIDA	DEIDA	TOLUENE	TOLUENE	HCL (gas)	HCL	CBC	CBC	Run hrs	Comments
Finished	Batch #	ibs total		Basis		lbs	Factor	lbs	Factor		Factor		Factor		
				0			#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	T	
		1		0			#DIV/01		#DIV/0!	1	#DIV/01		#DIV/01	T	
)			0			#DIV/0!		#DIV/0I		#DIV/0!		#DIV/0!		
				0			#DIV/01		#DIV/01		#DIV/D!		#DIV/0!		
				0			#DIV/0!		#DIV/0!		#DIV/01		#DIV/01	1	
				0			#DIV/0!	-	#DIV/0!		#DIV/0!		#DIV/0!		
				0			#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				0		· ·	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		
				0			#DIV/01		#DIV/01	I	#DIV/0!		#DIV/0!	T	
		T		0			#DIV/0!		#DIV/01		#DIV/0!		#DIV/01		
				0											
Totals		0		0	0	0		0		0		0			
Averages		#DIV/0!		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0	#DIV/0!	#DIV/0!	#DIV/0!		

Material used for cleaning this month

Methanol lbs

Toluene lbs
0 lbs

0 lbs

New material, not recycled!

Caustic used

Physical inventory reconciliation - As Of December 31, 2009

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
PHOSGENE - 7.5# CYLINDER	100 0007.5	LB	37.50	37.50	0.0%		-100.0%	0.00		0.5774	\$0.00	\$21.65
PHOSGENE - 95# IN 120# CYL-R&D	100 0095	LB	0.00	0.00				0.00		0.5774	\$0.00	\$0.00
PHOSGENE - 95# CYL W/DIP TUBE	100 0096	LB	950.00	950.00	0.0%			0.00		0.5774	\$0.00	\$548.53
PHOSGENE - 95# CYLINDER	100 0097	LB	1,045.00	1,045.00	0.0%			0.00		0.5774	\$0.00	\$603.38
AVANEL N 925	100 099	LB	1,597.00	1,597.00	0.0%			0.00		2.0634	\$0.00	\$3,295.25
AVANEL 1525 - 90%	100 100	LB	0.00	0.00				0.00		1.4301	\$0.00	\$0.00
AVANEL N - 374	100 101	LB	2,000.00	2,000.00	0.0%			0.00		4.1559	\$0.00	\$8,311.80
ACTICRYL CL-1039	100 108	LB	440.52	440.92	0.1%			0.40		4.8124	\$1.92	\$2,119.96
N - CHLOROCARBONYL IMINODIACETAT	100 110	LB	0.00	0.00				0.00		14.5484	\$0.00	\$0.00
2-METHYLSULFONYLETHYL CHLOR	100 116	KG	0.00	0.00	•			0.00		0.0000	\$0.00	\$0.00
BENZYL CARBAZATE IN TOLUENE	100 117	KG	0.00	0.00				0.00		19.8441	\$0.00	\$0.00
BENZYL CARBAZATE 40%	100 118	KG	0.00	0.00				0.00		16.1999	\$0.00	\$0.00
BENZYL CARBAZATE 99%	100 119	KG	600.00	600.00	0.0%			0.00		16.1999	\$0.00	\$9,719.94
BENZYL CHLOROFORMATE	100 120	LB	100,902.00	100,902.00	0.0%	100,942.00	0.0%	(40.00)	TAGS WERE ADDED WRONG BY 40 POUNDS	1.5196	(\$60.78)	\$153,330.68
CHDI	100 122	LB	0.00	0.00				0.00		111.5500	\$0.00	\$0.00
HEGCL (15%) IN ODCB	100 124	LB	0.00	0.00				0.00		6.3783	\$0.00	\$0.00
HEXAETHYL GUANADINIUM CHLORIDE	100 128	LB	53,940.16	53,940.00	0.0%			(0.16)		6.3783	(\$1.02)	\$344,046.52
ISOBUTYL CHLOROFORMATE	100 130	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
ISOPROPYL CHLOROFORMATE	100 145	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
PHENYL CLOROFORMATE	100 150	LB	42,064.47	42,603.89	1.3%			539.42		2.1035	\$1,134.67	\$88,482.61
PNBC	100 156	LB	68,143.00	69,382.00	1.8%			1,239.00		3.3163	\$4,108.90	\$225,982.63
SEC BUTYL	100 160	LB	0.00	0.00				0.00		1.6700	\$0.00	\$0.00
PHOSGENE - 2000# (TON) TANKS	100 2000	LB	85,082.00	85,082.00	0.0%			0.00		0.5774	\$0.00	\$49,126.35
ETHYL CENTRALITE	100 300	LB	0.00	0.00				0.00		4.2000	\$0.00	\$0.00
HEGCL (20%) IN ODCB	100 301	LB	903.00	903.00	0.0%		-	0.00		8.7524	\$0.00	\$7,903.42
AMIDE CHLORIDE	100 400	KG	1,010.00	1,000.00	-1.0%			(10.00)		7.8558	(\$78.56)	\$7,934.36
VILSMEIER REAGENT - 95%	100 401	KG	15,350.00	15,350.00	0.0%			0.00		7.8558	\$0.00	\$120,586.53
VILSMEIER REAGENT - 97%	100 402	KG	250.00	250.00	0.0%			0.00		13.2275	\$0.00	\$3,306.88
MPS	100 500	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
PTSI	100 600	LB	130,908.06	131,634.00	0.6%			725.94		2.6067	\$1,892.31	\$341,238.04
C. RBAESTER	100 711	LB	3,785.90	3,786.36	0.0%			0.46		14.0841	\$6.48	\$53,320.99
DDI (DIMERYL DIISOCYNATE) CR	100 721	LB	0.00	0.00				0.00		2.5022	\$0.00	\$0.00
DBAD (DIBENZYL AZODICARBOXYL)	100 725	KG	18,050.00	18,050.00	0.0%			0.00		22.2846	\$0.00	\$402,237.03

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	
MBSI - 30% SOL IN XYLENES	100 728	KG	0.00	0.00				0.00		10.6786	\$0.00	\$0.00
ICARIDIN	100 729	KG	0.00	0.00				0.00		19.0499	\$0.00	\$0.00
2-CMBSI - 40% SOL IN XYLENES	100 730	KG	2,500.00	2,500.00	0.0%			0.00		5.8980	\$0.00	\$14,745.00
LAUROYL CHLORIDE	100 900	LB	8,550.00	8,550.00	0.0%			0.00		3.8566	\$0.00	\$32,973.93
INERPAN POLYMER	101 200	GM	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MPS	101 300	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
N-HEPTYL CHLOROFORMATE	101 400	KG	0.00	0.00				0.00		12,7120	\$0.00	\$0.00
POLY (DTE CARBONATE)-PDTEC	101 500	GM	0.00	0.00				0.00		2.4823	\$0.00	\$0.00
MCF - d3	101 600	KG	0.00	0.00				0.00		2.4823	\$0.00	\$0.00
DEUTERIUM CHLORIDE SOLUTION	101 601	KG	0.00	0.00				0.00		2.4823	\$0.00	\$0.00
BENZYL CHLOROF - BELGIUM WAREHOUSE	102 601	KG	11,071.50	11,071.50	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	3.3501	\$0.00	\$37,090.63
PTSI - 20 KG PAILS - BELGIUM WAREHOUSE	102 601	KG	9,300.00	9,300.00	0.0%			0.00	PHYSICAL COURT	5.7467	\$0.00	\$53,444.31
PTSI - 225 KG DRUMS - BELGIUM WAREHOUSE	102 602	KG	36,900.00	36,900.00	0.0%			0.00	PHYSICAL COUNT	5.7467	\$0.00	\$212,053.23
H-LYSINE (BOC) NCA	103 050	GM	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
Z-D-VALINE NCA	103 100	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
DBAD/OUT-OF-SPEC	150 725	KG	0.00	0.00				0.00		15.6000	\$0.00	\$0.00
(!- PUCHASED	200 600	LB	0.00	0.00			<u> </u>	0.00		0.0000	\$0.00	\$0.00
2 CMBSA (BAYER)/NON-OWNED	300 101	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
2 CMBSA (DUPONT)/NON-OWNED	300 102	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
CHDA / NON-OWNED	300 110	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
DXE (DIXYLYLETHANE)/NON-OWNED	300 111	LB	1,797.00	1,797.00	0.0%			0.00		0.0000	\$0.00	\$0.00
DDA (DIMER DIAMINE) FOR DDI-CR/NON-OWNED	300 112	LB	. 0.00	. 0.00				0.00		0.0000	\$0.00	\$0.00
BENZYL CARBAZATE 99%/NON-OWNED	300 119	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL 25-15/NON-OWNED	300 216	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL 25-9/NON-OWNED	300 217	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL EH-3 / NON-OWNED	300 218	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
HYDRAZINE HYDRATE/ NON-OWNED	300 429	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
TOLUENE (DUPONT)/NON-OWNED	300 611	LB	113,555.00	113,000.00	-0.5%			(555.00)		0.0000	\$0.00	\$0.00
CARBAESTER/NON-OWNED	300 711	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
ICARIDIN/NON-OWNED	300 729	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
2-CMBSI - 40% IN XYLENE/NON-OWNED	300 730	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
4-TRIFLUOROMETHOXYANILINE/NON-OWNED	300 902	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
PTNZOIC ACID (MSB)/NON-OWNED MATERIAL	300 921	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
M=THANOL-D4/NON-OWNED	301 001	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
DETERIUM OXIDE/NON-OWNED	301 002	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
HQMME - OBSOLETE MATERIAL	400 108	LB	385.81	385.00	-0.2%			(0.81)		0.0000	\$0.00	\$0.00

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EA - OBSOLETE MATERIAL	400 109	LB	8,500.00	8,500.00	0.0%			0.00		0.0000	\$0.00	\$0.00
DIETHYL IMINOACETATE - OBSOLETE MATERIAL	400 112	LB	881.84	881.84	0.0%			0.00		0.0000	\$0.00	\$0.00
OCTANOATE - TIN (II) - OBSOLETE MATERIAL	400 113	LB	416.67	416.67	0.0%			0.00		0.0000	\$0.00	\$0.00
BENZYL TRIBUTYL AMMONIUM CHLOR-OBSOLETE	400 121	LB	1,984.14	1,984.14	0.0%			0.00		0.0000	\$0.00	\$0.00
LAUROYL CHLORIDE - HEEL - OBSOLETE	400 153	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
THF - OBSOLETE MATERIAL	400 162	LB	400.00	400.00	0.0%			0.00		0.0000	\$0.00	\$0.00
HEGCL (20%) IN ODCB - OBSOLETE MATERIAL	400 301	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
ETHYL ACETATE - OBSOLETE MATERIAL	400 412	LB	1,200.00	1,200.00	0.0%			0.00		0.0000	\$0.00	\$0.00
LAURIC ACID - OBSOLETE MATERIAL	400 903	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
CHLORINE - 90 LB CYLINER - P/L	500 001	LB	0.00	0.00				0.00		2.2849	\$0.00	\$0.00
METHYL STEARATE - P/L	500 002	LB	345.00	415.50	20.4%			70.50		2.9276	\$206.40	\$1,010.02
PLASCHEK 775 - P/L	500 003	LB	30.00	27.00	-10.0%			(3.00)	*	0.0000	\$0.00	\$0.00
CARBON MONOXIDE	600 100	LB	30,445.80	30,445.80	0.0%			0.00		0.8500	\$0.00	\$25,878.93
XYLENE	600 102	LB	0.00	399.00				399.00	ONE DRUM OF FRESH MATERIAL FOUND IN WAREHOUSE	0.6718	\$268.05	\$0.00
XYLENE - 2CMBSI	600 103	LB	45,957.00	45,957.00	0.0%			0.00		0.0000	\$0.00	\$0.00
77"STHYLAMINE	600 104	LB	0.00	0.00				0.00		1.4678	\$0.00	\$0.00
DIBUTYLTIN DILAURATE 94%	600 105	LB	0.00	0.00				0.00		11.6400	\$0.00	\$0.00
ALIQUAT	600 107	LB	1,116.00	1,116.00	0.0%			0.00	***	6.4720	\$0.00	\$7,222.75
HQMME - PLANT	600 108	LB	0.00	0.00				0.00		9.2477	\$0.00	\$0.00
2-HYDROXYETHYLACRYLATE (HEA)	600 109	LB	0.00	0.00				0.00		2.5117	\$0.00	\$0.00
внт	600 110	LB	8.82	8.80	-0.2%			(0.02)		25.5126	(\$0.51)	\$225.02
ISOPROPYL ALCOHOL - ACS GRADE	600 111	LВ	0.00	0.00				0.00		0.4269	\$0.00	\$0.00
DIETHYL IMINOACETATE	600 112	LB	0.00	0.00				0.00		6.2778	\$0.00	\$0.00
OCTANOATE - TIN (II)	600 113	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
METHYL STEARATE - PLANT	600 114	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
HALLCOMID M-8-10	600 115	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
EPOXIDIZED SOYBEAN OIL	600 116	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
NEODOL 25-9 (FOR AVENAL N925)	600 118	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
BENZYL ALCOHOL	600 120	LB	(0.26)	0.00	-100.0%			0.26		0.9065	\$0.24	(\$0.24)
BENZYL TRIBUTYL AMMONIUM CHLOR	600 121	LB	0.00	0.00				0.00		10.0107	\$0.00	\$0.00
CHLORINE	600 125	LB	208,592.00	208,592.00	0.0%			0.00		0.1749	\$0.00	\$36,482.74
CHORINE-ONE TON CYCLINDERS	600 126	LB	2,531.00	2,531.00	0.0%			0.00		0.3522	\$0.00	\$891.42
. JRINE-150 LB CYLINDERS	600 127	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
TEU - DISTILLED	600 128	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
TEU - CRUDE	600 129	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00

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NOL	600 150	LB	0.00	0.00				0.00		0.8250	\$0.00	\$0.00
2 - CMBSI - HEEL	600 151	KGS	0.00	0.00				0.00		5.3393	\$0.00	\$0.00
PHENYL CHLOROFORMATE - HEEL	600 152	LB	3,985.92	3,994.00	0.2%			8.08		1.4666	\$11.85	\$5,845.75
LAUROYL CHLOROFORMATE - HEEL	600 153	LB	0.00	0.00				0.00		2.3160	\$0.00	\$0.00
PROPARGYL CHLOROFORMATE	600 156	LB	0.00	0.00				0.00		2.0594	\$0.00	\$0.00
PROPARGYL ALCOHOL - (NBI PROC)	600 158	LB	0.00	0.00				0.00		2.3746	\$0.00	\$0.00
SEC BUTYL ALCOHOL	600 160	LB	12,909.00	12,909.00	0.0%			0.00		0.9694	\$0.00	\$12,513.98
SODIUM HYDROXIDE 25%	600 200	LB	31,521.00	27,916.00	-11.4%			(3,605.00)	USED FOR DBAD PRODUCTION: NOT	0.1600	(\$576.80)	\$5,043.36
HEXANE - PLANT	600 215	LB	0.00	0.00	-			0.00		0.0000	\$0.00	\$0.00
MACOL 25-15	600 216	LB	0.00	0.00			***	0.00		1.5000	\$0.00	\$0.00
MACOL 374	600 217	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL EH-3	600 218	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SULFURIC ACID (CONCENTRATED)	600 221	LB	9,422.00	9,422.00	0.0%			0.00		0.3326	\$0.00	\$3,133.76
1,2-DICHLOROBENZENE – NDI	600 300	LB	0.00	0.00		-		0.00		0.9533	\$0.00	\$0.00
DIETHYLAMINE (DEA)	600 400	LB	1,545.00	1,543.25	-0.1%			(1.75)		1.1400	(\$2.00)	\$1,761.30
DIMETHYL FORMAMIDE	600 410	LB	7,286.10	7,286.00	0.0%	·		(0.10)		0.6924	(\$0.07)	\$5,044.90
(ANOL	600 411	LB	0.00	0.00				0.00		0.3872	\$0.00	\$0.00
ETHYL ACETATE	600 412	LB	0.00	0.00				0.00		0.8125	\$0.00	\$0.00
DIMETHYL FORMAMIDE- DISTILLED	600 413	LB	5,700.00	5,675.00	-0.4%		·	(25.00)		0.0000	\$0.00	\$0.00
n-BUTYL AMINE	600 420	LB	548.00	548.00	0.0%			0.00		1.3000	\$0.00	\$712.40
HYDRAZINE HYDRATE 100%	600 428	LB	213.00	215.00	0.9%			2.00		2.2818	\$4.56	\$486.02
HYDROGEN CHLORIDE	600 430	LB .	0.00	. 0.00				0.00		2.6679	\$0.00	\$0.00
MONOCHLOROBENZENE	600 440	LB	15,209.00	15,209.00	0.0%			0.00		0.7000	\$0.00	\$10,646.30
MONOCHLOROBENZENE – PTSI	600 441	LB	42,200.00	42,200.00	0.0%			0.00		0.0000	\$0.00	\$0.00
n-BUTYL ISOCYANATE - PURCHASED	600 452	LB	15,725.96	15,110.00	-3.9%			(615.96)		3.4883	(\$2,148.65)	\$54,856.87
METHYL CHLOROFORMATE	600 512	LB	2,757.00	2,335.32	-15.3%			(421.68)		1.1567	(\$487.76)	\$3,189.02
PARA-TOLUENE SULFONAMIDE	600 610	LB	169,448.50	176,754.00	4.3%	169,260.00	-0.1%	188.50	TWO PALLETS OF MATERIAL DOUBLE COUNTED IN E-1	1.0240	\$193.02	\$173,515.26
TOLUENE	600 611	LB	642.00	642.00	0.0%			0.00		0.5826	\$0.00	\$374.03
TOLUENE - DISTILLED	600 612	LB	34,033.00	34,257.00	0.7%			224.00		0.0000	\$0.00	\$0.00
HEPTANE-DISTILLED	600 613	LB	79,306.00	79,306.00	0.0%			0.00		0.0000	\$0.00	\$0.00
DEA RECYCLE – HEGCL	600 614	LB	24,256.70	24,256.00	0.0%			(0.70)		0.0000	\$0.00	\$0.00
HEPTANE	600 616	LB	0.00	0.00				0.00		0.5759	\$0.00	\$0.00
ENE - DISTILLED	600 617	LB	17,638.00	15,788.00	-10.5%			(1,850.00)		0.0000	\$0.00	\$0.00
NDA (1,5-NAPHTALENE-DI-AMINE)	600 618	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SODIUM BISULFITE SOLUTION	600 619	LB	1,392.00	1,388.00	-0.3%			(4.00)		0.3088	(\$1.24)	\$429.85
POTASSIUM HYDROXIDE 45%	600 712	LB	0.00	0.00				0.00		0.2407	\$0.00	\$0.00

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ASSIUM CARBONATE	600 713	LB	0.00	0.00		, rs		0.00		0.2407	\$0.00	\$0.00
HYDROCHLORIC ACID 22 DEGREE BE - PURCHASED	600 800	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
HYDROCHLORIC ACID 20 DEGREE - PURCHASED	600 801	LB	213.00	213.00	0.0%			0.00		0.2008	\$0.00	\$42.77
HYDROXYLAMINE HYDROCHLORIDE	600 803	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SODIUM BICARBONATE-NOT INVENTORY	600 811	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
THIONYL CHLORIDE	600 812	LB	811.00	808.40	-0.3%			(2.60)		0.9423	(\$2.45)	\$764.21
METHANOL	600 813	LB	4,508.00	4,508.00	0.0%			0.00		0.2273	\$0.00	\$1,024.67
L-PHENYL ALANINE	600 814	LB	165.30	165.35	0.0%			0.04		5.8741	\$0.26	\$970.99
TETRA METHYL AMMON. CHLORIDE	600 817	LB	990.00	990.00	0.0%			0.00		2.6814	\$0.00	\$2,654.59
SODIUM ACETATE, ANHYDROUS	600 818	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
LIQUID CAUSTIC SODA 50%	600 900	TON	9.63	9.63	-0.1%			(0.01)	-	260.0000	(\$2.45)	\$2,502.50
HEPP	600 901	LB	0.00	0.00				0.00		1,126.1107	\$0.00	\$0.00
LAURIC ACID	600 903	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
NITROGEN	600 910	CCF	6,623.00	6,623.00	0.0%			0.00		0.3837	\$0.00	\$2,541.25
CHLOROFORM	600 917	LB	5,400.00	5,400.00	0.0%			0.00		1.7635	\$0.00	\$9,522.90
35% HYDROGEN PEROXIDE	600 918	LB	504.00	504.00	0.0%			0.00		0.7031	\$0.00	\$354.36
HANOL - RECYCLE	600 919	LB	0.00	0.00		·		0.00		0.0000	\$0.00	\$0.00
BENZOIC ACID (MSB)	600 921	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SODIUM CARBONATE ACS GRADE	600 922	LB	0.00	0.00				0.00		1.1917	\$0.00	\$0.00
SODIUM CARBONATE TECH GRADE	600 923	LB	750.00	750.00	0.0%			0.00		0.3786	\$0.00	\$283.95
MCB - DISTILLED	600 924	LB	33,585.00	40,000.00	19.1%			6,415.00		0.0000	\$0.00	\$0.00
ODCB - DISTILLED	600 925	LB .	0.00	. 0.00				0.00		0.0000	. \$0.00	\$0.00
CHLOROFORM - DISTILLED	600 927	LB	6,200.00	0.00	-100.0%			(6,200.00)		0.0000	\$0.00	\$0.00
MONOCHLOROBENZENE - OFF SITE	602 440	LB	0.00	0.00				0.00		0.8000	\$0.00	\$0.00
STEEL 1 GAL GRAY 1A1/X1.5/250	800 100	EA	243.00	234.00	-3.7%		-	(9.00)		13.5280	(\$121.75)	\$3,287.30
BLACK HDPE DRUM 1H1/X1.9/320	800 104	EA	24.00	22.00	-8.3%			(2.00)		22.6948	(\$45.39)	\$544.68
STEEL 1 GAL GREEN 1A1/X1.5/250	800 105	EΑ	171.00	146.00	-14.6%			(25.00)		11.8069	(\$295.17)	\$2,018.98
STEEL 5 GAL GRAY 1A1/Y1.8/300	800 202	EΑ	318.00	262.00	-17.6%			(56.00)		5.8338	(\$326.69)	\$1,855.15
STEEL 5 GAL WHITE 1A1/Y1.6/280	800 205	EA	0.00	0.00				0.00		4.7178	\$0.00	\$0.00
STEEL 5 GAL WHITE 1A1/Y1.7/280	800 206	EA	2,221.00	2,625.00	18.2%			404.00		6.0677	\$2,451.35	\$13,476.36
POL/STL 5 GAL BLWH UN1A2/X50/S	800 210	EA	39.00	32.00	-17.9%			(7.00)		34.6093	(\$242.27)	\$1,349.76
POLY 5 GAL RED PAIL-FDA COMPLI	800 320	EA	0.00	0.00				0.00		6.2600	\$0.00	\$0.00
COLY 5 GAL RED COVERS-FDA COMP	800 321	EA	0.00	0.00				0.00		2.2400	\$0.00	\$0.00
STEEL OVP 20GAL BLRED 1A2/X175/S	800 400	EΑ	23.00	23.00	0.0%			0.00		26.6255	\$0.00	\$612.39
FIBRE 21.5GAL NAT 1G/Y60/S	800 500	EA	854.00	853.00	-0.1%			(1.00)		14.5322	(\$14.53)	\$12,410.50
STEEL 35 GAL BL/WH 1A2/Y200	800 550	EA	0.00	0.00				0.00		21.9900	\$0.00	\$0.00

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. RE 38.5 GAL 1G/X142/S	800 551	EA	0.00	0.00				0.00		15.1519	\$0.00	\$0.00
35 GAL FIBRE DRUMS	800 552	EA	0.00	4.00				4.00		12.5447	\$50.18	\$0.00
24 GAL FIBRE DRUM flr13295	800 553	EA	0.00	0.00				0.00		13.3292	\$0.00	\$0.00
STEEL 55GAL BLRED 1A1/Y1.8/300	800 600	EA	0.00	0.00				0.00		27.0000	\$0.00	\$0.00
55 GAL COMPOSITE-6HA1/Y1.8/100	800 602	EA	0.00	0.00				0.00		91.6291	\$0.00	\$0.00
STEEL 55GAL BL/WH 1A1/Y1.8/300	800 605	EA	452.00	408.00	-9.7%			(44.00)		30.8636	(\$1,358.00)	\$13,950.35
POLY 55GAL BLUE 1H1/X1.5/250	800 610	EA	0.00	0.00				0.00		18.2485	\$0.00	\$0.00
POLY 55GAL BLUE 1H1/Y1.9/100	800 611	EA	0.00	0.00				0.00		18.2485	\$0.00	\$0.00
POLY 55 GAL-BLUE 1H1/X1.5/250	800 614	EA	0.00	0.00				0.00		34.8658	\$0.00	\$0.00
POLY 55GAL BLACK 1H1/X1.5/250	800 616	EA	706.00	371.00	-47.5%			(335.00)		28.4677	(\$9,536.68)	\$20,098.20
POL/STL 55GAL 6HA1/X1.5/250	800 618	EA	45.00	114.00	153.3%			69.00		100.6298	\$6,943.46	\$4,528.34
POL/STL 55G BLWH 6HA1/Y1.5/250	800 620	EA	0.00	0.00				0.00		87.8470	\$0.00	\$0.00
FIBRE 61GAL NAT 1G/Y144/S	800 700	EA	0.00	0.00				0.00		23.9905	\$0.00	\$0.00
FIBRE 31 GAL UN 1G/Y60/S	800 701	EA	0.00	0.00				0.00		3.3430	\$0.00	\$0.00
COMPOSITE DRUM - X1.9/300 PHCF	800 850	EA	0.00	0.00				0.00		3.3430	\$0.00	\$0.00
STEEL 55GAL BLK/WHT POLYLINED 6HA1/Y1.8/150	800 992	EA	26.00	26.00	0.0%			0.00		27.0000	\$0.00	\$702.00
\L PLASTIC UN1H1/Y1.8/100	800 993	EA	5.00	5.00	0.0%			0.00		17.3800	\$0.00	\$86.90
275 GAL INTERMEDIATE BULK CONTAINER	800 995	EA	0.00	0.00				0.00		27.0000	\$0.00	\$0.00
TOTE(S) SX275 HDPE NATURAL/ STE	800 997	EA	14.00	14.00	0.0%			0.00		278.5576	\$0.00	\$3,899.81
TOTE(S)	800 998	EA	18.00	13.00	-27.8%			(5.00)		142.5281	(\$712.64)	\$2,565.51
20 KGS PAILS BDP WAREHOUSE	802 601	EA	465.00	465.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	6.1896	\$0.00	\$2,878.16
225 KGS PAILS BDP WAREHOUSE	802 602	EA	163.00	163.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	30.8635	\$0.00	\$5,030.75
POLY 55 GAL BLACK 1H1/X1.5/250	802 616	EA	61.00	61.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	28.5323	\$0.00	\$1,740.47
HCL ACID-NOT INVENTORY	900 390	LB	25,000.00	25,000.00	0.0%			0.00		0.0000	\$0.00	\$0.00
ADJUSTMENT FOR ROUNDING IN PROFIT PLUS			0.00									(\$0.07)
Variance in units (includes lbs, kg and units for drums)			0.00					(3,530.18)				
Variance in Dollars based on the November product replacement cost			0.00									\$2,633,384.81
			1,579,871.04	1,583,497.86					DOLLAR AMOUNT OF		0.0478%	
								1	ADJUSTMENT FOR DRUMS ONLY	(8 3, 200.14)		

In process summary sheet for the month end

2-Mar

Vessel	Raw material	code	Amount	Unit	comment
BCF				ibs	
R-1	вхон	600-128	4558		
	Phosgene	600-920			
R-2					
HEGCL					
R-3					
			0		
			0		
			0		
			0		
2-CMBSI				lbs	
R-4	2-CMBSA				
	Phosgene	600-920			
R-5	2-CMBSA				
	Phosgene	600-920			
ST-8	Xylene			ļ	
R-6	Xylene				
				l	

Benzyl Carbazate				lbs	
R-8	Dupont Toluene				
	Hydrazine	600-428			
	BCF	600-119/100-120			
R-9	Dupont Toluene		0		
	Hydrazine	600-428	0		
	BCF	600-119/100-120	0		
R-10	Dupont Toluene			. , <u>-</u> .	
	Hydrazine	600-428			
	BCF	600-119/100-120		<u> </u>	
PT-24					
FD-01	Dupont Toluene		0		
	Hydrazine	600-428	0		
	BCF	600-119/100-120	0		
	<u> </u>				

Total inprocess for the month

Raw material	Code	Amount	Unit]
TEU -dried/distilled	600-128	9146	lb	$]_{R}$
DEA	600-400	3115]
Phosgene	600-920	9223]
25% NAOH	600-200	1005		
New toluene	600-611	0		_
PTSA	600-610	9258		_
MCB	600-441	42200		-
Soda Ash	600-923	3900		1
Hydrazine	600-428	1740		
BCF	600-119/100-120	12600		
Purchased HCL	600-801	330		
Hydroperoxide	600-918	200		_
Sodium bi-sulfite	600-619	1995		_
Chlorine	600-126	2200	Cyllinders	_]
MCB recycle	600-440	6419	Fresh	
Heptane recycle	600-616	9136	Recycle	1
	1	t	l	1

ISOCHEM INC. APRIL 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Apr-06	14	19,746					
2-Apr-06	14	20,636			•		
3-Apr-06	13	19,149					
4-Apr-06	21	30,508	0.00	0.00	0.00	78.87	0.00
5-Apr-06	18	26,460					
6-Apr-06	19	27,038					
7-Apr-06	16	22,383					
8-Apr-06	18	25,429					
9-Apr-06	14	20,814					
10-Apr-06	12	16,705		•			
11-Apr-06	10	14,533	0.00	55.75	0.00	11.39	41.21
12-Apr-06	18	25,342					
13-Apr-06	24	34,077					
14-Apr-06	12	16,950					
15-Apr-06	8	11,737					
16-Apr-06	10	13,733					
17-Apr-06	14	20,817					
18-Apr-06	11	16,205	0.00	129.74	0.00	0.00	8.11
19-Apr-06	20	29,358					
20-Apr-06	20	28,106					
21-Apr-06	18	26,052					
22-Apr-06	15	20,892					
23-Apr-06	15	21,310					
24-Apr-06	15	21,965					
25-Apr-06	11	16,039	0.00	0.00	0.00	0.00	0.00
26-Apr-06	17	24,050					
27-Apr-06	40	57,750					
28-Apr-06	12	17,470					
29-Apr-06	17	24,326					
30-Apr-06	18	25,399					

ISOCHEM INC. AUGUST 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Aug-06	15	21,651					
2-Aug-06	8	11,553					
3-Aug-06	8	11,166					
4-Aug-06	12	16,755					
5-Aug-06	8	12,150					
6-Aug-06	8	10,886					
7-Aug-06	6	8,290	0.00	37.33	0.00	24.20	38.03
8-Aug-06	9	13,508					
9-Aug-06	9	13,372					
10-Aug-06	12	17,925					
11-Aug-06	8	11,016					
12-Aug-06	7	10,414					
13-Aug-06	5	6,490		. ==		4.00	4.00
14-Aug-06	4	6,241	0.00	6.77	0.00	1.93	1.82
15-Aug-06	10	14,343					
16-Aug-06	10	13,710					
17-Aug-06	26	37,599					
18-Aug-06	3	4,966					
19-Aug-06	6	9,344					
20-Aug-06	9	12,905					
21-Aug-06	9	12,786	0.00	0.00	0.00	106.64	0.00
22-Aug-06	12	17,287					
23-Aug-06	7	9,697					
24-Aug-06	11	15,728					
25-Aug-06	14	19,781					
26-Aug-06	5	6,680					
27-Aug-06	10	14,717					
28-Aug-06	11	15,127	0.00	0.00	0.00	0.00	0.00
29-Aug-06	27	39,218					
30-Aug-06	22	31,466					
31-Aug-06	9	13,551					
1-Sep-06	9	13,424					
2-Sep-06	8	12,151					
3-Sep-06	8	11,967					
4-Sep-06	9	12,820					

ISOCHEM INC. DECEMBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanoi #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Dec-06	15	21,796					
2-Dec-06	8	11,728			*		
3-Dec-06	10	14,887	0.00	117.95	0.00	0.00	19.86
4-Dec-06	7	9,693					
5-Dec-06	7	9,421					
6-Dec-06	7	9,432					
7-Dec-06	11	16,470					
8-Dec-06	13	18,660					
9-Dec-06	12	17,772					
10-Dec-06	10	14,593	0.00	35.29	0.00	0.00	0.00
11-Dec-06	6	8,095					
12-Dec-06	8	12,121					
13-Dec-06	14	20,194					
14-Dec-06	14	19,837					
15-Dec-06	9	13,679					
16-Dec-06	9	13,361					
17-Dec-06	5	6,855	0.00	16.58	0.00	0.00	0.00
18-Dec-06	6	8,487					
19-Dec-06	7	9,793					
20-Dec-06	9	12,870					
21-Dec-06	21	30,509					
22-Dec-06	6	8,168					
23-Dec-06	4	6,322					
24-Dec-06	3	4,903	11.45	6.54	0.00	7.36	1.88
25-Dec-06	3	4,588					
26-Dec-06	3	4,589					
27-Dec-06	7	9,590					
28-Dec-06	11	16,001					
29-Dec-06	8	11,304					
30-Dec-06	11	15,575					
31-Dec-06	8	11,994	0.00	0.00	0.00	9.70	0.00

ISOCHEM INC. FEBRUARY 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	120.00	53.00	NA	199.00
1-Feb-06	9	13,085			1		
2-Feb-06	8	12,178					
3-Feb-06	7	10,209					
4-Feb-06	12	17,795					
5-Feb-06	14	20,721					
6-Feb-06	12	16,645					
7-Feb-06	15	21,305	0.00	0.00	0.00	0.00	0.00
8-Feb-06	10	14,333					
9-Feb-06	3	4,848					
10-Feb-06	4	5,757					
11-Feb-06	5	6,517					
12-Feb-06	6	8,845					
13-Feb-06	1	2,085	0.00	0.00	0.00	0.00	0.00
14-Feb-06	10	13,759	0.00	0.00	0.00	0.00	0.00
15-Feb-06	12	16,791					
16-Feb-06	9	12,264					
17-Feb-06	8	12,014					
18-Feb-06	7	9,997					
19-Feb-06	7	10,240					
20-Feb-06	12	17,339	0.00	0.00		0.00	0.00
21-Feb-06	16	23,539	0.00	0.00	0.00	0.00	0.00
22-Feb-06	14	20,222					
23-Feb-06	20	29,150					
24-Feb-06	13	18,116					
25-Feb-06	13	18,440					
26-Feb-06	16 14	23,061					
27-Feb-06	14	20,233	0.00	0.00	0.00	0.22	0.00
28-Feb-06	11	15,324	0.00	0.00	0.00	0.33	0.00
1-Mar-06	13 15	18,049					
2-Mar-06	15 13	21,695					
3-Mar-06	13	18,950					
4-Mar-06	14	20,492					
5-Mar-06	11	16,509					

ISOCHEM INC. JANUARY 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	120.00	53.00	NA	199.00
1-Jan-06	15	21,258					
2-Jan-06	19	27,791	0.00	0.00	40.05	4.40	0.00
3-Jan-06	8	11,933	3.98	0.00	10.95	1.19	0.00
4-Jan-06	12	16,970					
5-Jan-06	13	18,456					
6-Jan-06	11	16,101					
7-Jan-06	12	17,074					
8-Jan-06	15	21,406					
9-Jan-06	11	15,231	22.00	0.00	0.00	0.55	0.00
10-Jan-06	8	12,207	33.60	0.00	0.00	0.55	0.00
11-Jan-06	9	12,538					
12-Jan-06	12 5	17,631					
13-Jan-06 14-Jan-06	5 11	7,101 15,623					
14-Jan-06 15-Jan-06	7						
16-Jan-06	9	10,434 12,382					
17-Jan-06	9 7	12,362	0.00	0.00	0.00	58.07	0.00
17-Jan-06 18-Jan-06	, 11	•	0.00	0.00	0.00	56.07	0.00
19-Jan-06	10	15,492 14,875					
20-Jan-06	5	7,350					
20-Jan-06 21-Jan-06	9	12,881					
21-Jan-06 22-Jan-06	9	13,677					
23-Jan-06	6	7,982					
24-Jan-06	7	9,365	0.00	0.00	0.00	25.77	0.00
25-Jan-06	11	16,103	0.00	0.00	0.00	25.11	0.00
26-Jan-06	5	7,443					
27-Jan-06	7	9,798					
28-Jan-06	10	14,999					
29-Jan-06	12	17,978					
30-Jan-06	7	10,266					
31-Jan-06	6	8,947	0.00	0.00	0.00	2.69	0.00
1-Feb-06	9	13,085	0.00	0.00	0.00	2.03	0.00
2-Feb-06	8	12,178					
3-Feb-06	7	10,209					
4-Feb-06	12	17,795					
5-Feb-06	14	20,721					
J . CD-00		20,721					

ISOCHEM INC. JULY 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Jul-06 2-Jul-06 3-Jul-06	6 5 5 8	8,948 7,603 7,659	0.00	0.00	0.00	0.00	0.00
4-Jul-06 5-Jul-06 6-Jul-06 7-Jul-06	9 8 6	10,928 12,430 11,678 8,014					
8-Jul-06 9-Jul-06 10-Jul-06 11-Jul-06 12-Jul-06 13-Jul-06	1 5 9 12 22 22	1,952 7,607 13,264 17,462 31,328 31,523	0.00	56.42	0.00	6.64	0.00
14-Jul-06 15-Jul-06 16-Jul-06 17-Jul-06 18-Jul-06	14 8 8 11 16 19	19,645 12,149 11,347 15,851 23,068	0.00	8.69	0.00	0.00	6.87
19-Jul-06 20-Jul-06 21-Jul-06 22-Jul-06 23-Jul-06 24-Jul-06	15 13 12 10 9	27,927 21,370 18,620 16,576 15,093 13,299	0.00	80.41	0.00	0.00	53.24
25-Jul-06 26-Jul-06 27-Jul-06 28-Jul-06 29-Jul-06	14 15 24 14 14	20,653 21,496 34,226 19,503 20,008	5,55		0.00	5.05	
30-Jul-06 31-Jul-06 1-Aug-06 2-Aug-06 3-Aug-06 4-Aug-06 5-Aug-06	13 10 15 8 8 12 8	19,224 14,468 21,651 11,553 11,166 16,755 12,150 10,886	0.00	65.16	0.00	0.00	30.17

ISOCHEM INC. JUNE 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Jun-06	16	22,901					
2-Jun-06	6	8,575					
3-Jun-06	8	11,087					
4-Jun-06	8	11,552					
5-Jun-06	7	10,653	6.75	0.00	0.00	0.00	0.00
6-Jun-06	11	15,323					
7 - Jun-06	13	18,231					
8-Jun-06	15	21,924					
9-Jun-06	12	17,065					
10-Jun-06	12	17,731					
11-Jun-06	10	14,951					
12-Jun-06	9	13,470	0.00	0.00	0.00	0.00	0.00
13-Jun-06	17	23,990					
14-Jun-06	20	28,212					
15-Jun-06	17	25,016			·		
16-Jun-06	12	16,887					
17 - Jun-06	11	15,635					
18-Jun-06	9	13,335					
19-Jun - 06	11	15,608	0.00	0.00	0.00	0.00	0.00
20-Jun-06	11	16,516					
21-Jun-06	13	18,836					
22-Jun-06	9	12,245					
23-Jun-06	12	17,272					
24-Jun-06	6	7,927					
25-Jun-06	9	13,267					
26-Jun-06	11	16,35 9	16.37	0.00	0.00	0.00	0.00
27-Jun-06	16	22,380					
28-Jun-06	17	24,237					
29-Jun-06	8	11,905					
30-Jun-06	7	10,136					
1 - Jul-06	6	8,948					
2 - Jul-06	5	7,603					
3-Jul-06	5	7,659					
4-Jul-06	8	10,928					

ISOCHEM INC. may 2006 FLOWS AND ANALYTICAL

DATE L IM IT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
1-May-06	15	22,203	0.00	107.40	0.00	0.00	51.85
2-May-06	17	24,816					
3-May-06	19	27,179					
4-May-06	24	34,630					
5-May-06	13	18,920					
6-May-06	13	18,342					
7-May-06	12	17,213					
8-May-06	12	17,163	0.00	0.00	0.00	5.73	0.00
9-May-06	12	17,379					
10-May-06	21	29,790					
11-May-06	32	46,136					
12-May-06	22	31,317					
13-May-06	12	17,949					
14-May-06	14	20,859					
15-May-06	10	15,012	200.32	0.00	0.00	0.00	0.00
16-May-06	9	13,134					
17-May-06	26	37,496					
18-May-06	47	68,334					
19-May-06	25	35,286					
20-May-06	8	11,069					
21-May-06	13	18,530					
22-May-06	11	15,630	123.84	0.00	0.00	0.00	0.00
23-May-06	12	17,087					
24-May-06	10	13,930					
25-May-06	12	17,113					
26-May-06	8	11,147					
27-May-06	6	9,180					
28-May-06	6	8,813					
29-May-06	6	8,085	10.79	0.00	0.00	0.00	0.00
30-May-06	8	11,528					
31-May-06	16	23,028					
1-Jun-06	16	22,901					
2-Jun-06	6	8,575					
3-Jun-06	8	11,087					
4-Jun-06	8	11,552					

ISOCHEM INC. NOVEMBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Nov-06	14	19,657					
2-Nov-06	12	17,141			*		
3-Nov-06	9	13,459					
4-Nov-06	12	16,871					
5-Nov-06	12	16,687					
6-Nov-06	5	7,521	0.00	0.00	0.00	0.00	0.00
7-Nov-06	4	5,805					
8-Nov-06	11	15,948					
9-Nov-06	11	15,317					
10-Nov-06	6	8,463					
11-Nov-06	8	11,421					
12-Nov-06	9	12,391					
13-Nov-06	7	9,588	0.00	13.99	0.00	0.00	0.00
14-Nov-06	9	12,651					
15-Nov-06	11	15,647					
16-Nov-06	18	25,711					
17-Nov-06	14	20,052					
18-Nov-06	13	19,096					
19-Nov-06	9	12,959					
20-Nov-06	6	8,663	0.00	49.85	0.00	0.00	5.78
21-Nov-06	7	10,254					
22-Nov-06	5	6,860					
23-Nov-06	5	7,484					
24-Nov-06	12	17,427					
25-Nov-06	15	21,051					
26-Nov-06	4	6,175					
27-Nov-06	3	4,839	0.00	10.09	0.00	0.00	5.25
28-Nov-06	13	18,565					
29-Nov-06	7	10,128					
30-Nov-06	30	43,351					
1-Dec-06	15	21,796					
2-Dec-06	8	11,728					
3-Dec-06	10	14,887					

ISOCHEM INC. OCTOBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Oct-06	4	5,480					
2-Oct-06	4	5,480					
3-Oct-06	1	1,655	0.00	0.00	0.00	0.00	0.00
4-Oct-06	10	14,663					
5-Oct-06	12	16,713					
6-Oct-06	11	15,673					
7-Oct-06	8	11,837					
8-Oct-06	10	14,847					
9-Oct-06	11	15,658					
10-Oct-06	15	22,023	0.00	0.00	0.00	0.00	0.00
11-Oct-06	12	17,675					
12-Oct-06	13	19,191					
13-Oct-06	10	15,039					
14-Oct-06	10	14,226					
15-Oct-06	9	12,301					
16-Oct-06	10	13,719					
17-Oct-06	10	14,663	0.00	84.38	0.00	5.87	1.35
18-Oct-06	9	13,080					
19-Oct-06	10	15,033					
20-Oct-06	11	15,31 9					
21-Oct-06	12	16,894					
22-Oct-06	11	16,265					
23-Oct-06	11	15,899					
24-Oct-06	13	18,307	0.00	3.82	0.00	0.00	0.00
25-Oct-06	12	17,875					
26-Oct-06	5	7,311					
27-Oct-06	6	8,474					
28-Oct-06	9	12,529					
29-Oct-06	9	13,528					
30-Oct-06	9	12,327					
31-Oct-06	11	16,188	0.00	117.46	0.00	39.15	60.75
1-Nov-06	14	19,657					
2-Nov-06	12	17,141					
3-Nov-06	9	13,459					
4-Nov-06	12	16,871					
5-Nov-06	12	16,687					

ISOCHEM INC. SEPTEMBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Sep-06	9	13,424					
2-Sep-06	8	12,151					
3-Sep-06	8	11,967					
4-Sep-06	9	12,820					
5-Sep-06	12	17,870	0.00	0.00	0.00	0.00	0.00
6-Sep-06	12	17,815					
7-Sep-06	13	18,995					
8-Sep-06	11	15,396					
9-Sep-06	6	9,230					
10-Sep-06	10	14,102					
11-Sep-06	8	12,125					
12-Sep-06	8	11,905	0.00	0.00	0.00	0.00	0.00
13-Sep-06	13	18,209					
14-Sep-06	14	19,725					
15-Sep-06	10	13,709					
16-Sep-06	10	13,836					
17-Sep-06	9	13,276					
18-Sep-06	16	23,708					
19-Sep-06	12	17,641	0.00	0.00	0.00	0.00	0.00
20-Sep-06	12	17,252					
21-Sep-06	17	24,079					
22-Sep-06	30	43,399					
23-Sep-06	7	10,755					
24-Sep-06	1	1,721					
25-Sep-06	2	2,208					
26-Sep-06	6	8,796	0.00	0.00	0.00	0.00	0.00
27-Sep-06	6	7,941					
28-Sep-06	1	2,038					
29-Sep-06	4	5,480					
30-Sep-06	4	5,480					
1-Oct-06	4	5,480					
2-Oct-06	4	5,480					
3-Oct-06	1	1,655	0.00	0.00	0.00	0.00	0.00
4-Oct-06	10	14,663					
5-Oct-06	12	16,713					
6-Oct-06	11	15,673					
7-Oct-06	8	11,837					

ISOCHEM INC. MARCH 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	120.00	53.00	NA	199.00
1-Mar-06	13	18,049					
2-Mar-06	15	21,695			,		
3-Mar-06	13	18,950					
4-Mar-06	14	20,492					
5-Mar-06	11	16,509					
6-Mar-06	13	18,481					
7-Mar-06	12	17,364	0.00	0.00	0.00	0.00	0.00
8-Mar-06	13	19,072					
9-Mar-06	14	20,143					
10-Mar-06	13	19,094					
11-Mar-06	12	17,994					
12-Mar-06	15	21,766					
13-Mar-06	13	18,725					
14-Mar-06	15	21,635	0.00	0.00	0.00	0.00	0.00
15-Mar-06	24	34,614					
16-Mar-06	18	25,375					
17-Mar-06	18	25,375					
18-Mar-06	23	33,788					
19-Mar-06	15	21,232					
20-Mar-06	12	16,919					
21-Mar-06	19	27,002	0.00	0.00	0.00	12.61	0.00
22-Mar-06	13	18,302					
23-Mar-06	21	30,581					
24-Mar-06	10	14,371					
25-Mar-06	14	19,685					
26-Mar-06	10	15,016					
27-Mar-06	12	16,919					
28-Mar-06	19	27,002	0.00	0.00	0.00	0.00	0.00
29-Mar-06	13	18,302					
30-Mar-06	21	30,581					
31-Mar-06	10	14,371					
1-Apr-06	14	19,685					
2-Apr-06	10	15,016					

ISOCHEM INC. APRIL 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Apr-07	13	18,599						
2-Apr-07	20	29,003	23.70	0.00	0.00	0.00	0.00	
3-Apr-07	14	20,656						
4-Apr-07	11	16,467						
5-Apr-07	15	21,096						
6-Apr-07	13	18,313						
7-Apr-07	14	20,324						
8-Apr-07	12	17,088						
9-Apr-07	7	10,098	0.00	0.00	0.00	23.58	0.00	
10-Apr-07	7	9,511						
11-Apr-07	5	7,848						
12-Apr-07	10	14,319						
13-Apr-07	8	11,820						
14-Apr-07	6	8,981						
15-Apr-07	7	9,670						
16-Apr-07	12	17,664	94.28	0.00	0.00	29.46	0.00	
17-Apr-07	19	27,975						
18-Apr-07	12	17,818						
19-Apr-07	8	11,461						
20-Apr-07	5	6,514						
21-Apr-07	15	22,302						
22-Apr-07	12	17,507						
23-Apr-07	4	6,236	5.20	0.00	0.00	0.00	0.00	
24-Apr-07	11	16,494						
25-Apr-07	19	27,314						
26-Apr-07	12	17,796						
27-Apr-07	13	18,405						
28-Apr-07	15	21,715						
29-Apr-07	11	15,571						
30-Apr-07	8	11,941	4.08	0.00	0.00	23.90	0.00	
1-May-07	9	12,766						
2-May-07	16	23,318						
3-May-07	12	17,860						
4-May-07	3	3,665						
5-May-07	1	1,795						
6-May-07	13	18,754						

VAN DE MARK CHEMICAL INC. AUGUST 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Aug-07	11	16,006						
2-Aug-07	7	9,945						
3-Aug-07	5	6,609						
4-Aug-07	11	16,291						
5-Aug-07	5	7,494						
6-Aug-07	6	9,164	0.00	0.00	0.00	15.29	0.00	
7-Aug-07	13	18,963						
8-Aug-07	13	18,558						
9-Aug-07	5	7,449						
10-Aug-07	5	7,826						
11-Aug-07	17	24,922						
12-Aug-07	14	19,481						
13-Aug-07	12	17,239	0.00	0.00	0.00	32.92	0.00	
14-Aug-07	15	22,161						
15-Aug-07	11	16,374						
16-Aug-07	17	24,241						
17-Aug-07	5	7,350						
18-Aug-07	6	8,691						
19-Aug-07	7	10,036						
20-Aug-07	5	6,552	0.00	0.00	0.00	13.11	0.00	
21-Aug-07	3	4,349						
22-Aug-07	9	12,460						
23-Aug-07	7	9,811						
24-Aug-07	9	13,262						
25-Aug-07	8	10,927						
26-Aug-07	4	5,670						
27-Aug-07	5	7,406	0.00	0.00	0.00	0.00	0.00	
28-Aug-07	10	14,191						
29-Aug-07	13	18,233						
30-Aug-07	10	15,040						
31-Aug-07	8	11,799						
1-Sep-07	12	17,523						
2-Sep-07	9	12,896						
3-Sep-07	8	10,989						

VAN DE MARK CHEMICAL INC.DECEMBER 2007 FLOWS AND ANALYTICAL

	TE LAND OF THE OPEN LONG AND ANALYTICAL					Ur	nit 1	U	nit 2		
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/i	ug/l	ppb
LIMIT			137.00	200.00	53.00	NA	199.00				
1-Dec-07	7	10,452						* Unit 2 is o	nly analyzed	if unit 1 is de	tectable
2-Dec-07	7	9,437									
3-Dec-07	13	18489	0.00	138.78	13.88	5.55	24.67				
4-Dec-07	18	25625									
5-Dec-07	27	39450									
6-Dec-07	22	31850	·								
7-Dec-07	11	15654									
8-Dec-07	9	13366									
9-Dec-07	13	18038									
10-Dec-07	12	17002	0.00	17.02	0.00	0.00	48.21				
11-Dec-07	12	17667									
12-Dec-07	13	19145									
13-Dec-07	12	17730								•	
14-Dec-07	11	15504									
15-Dec-07	9	13099									
16-Dec-07	8	11282		•							
17-Dec-07	7	9927	0.00	0.00	0.00	0.00	0.00	330.00	ND	ND	ND
18-Dec-07	7	10539									
19-Dec-07	12	17280									
20-Dec-07	12	17909									
21-Dec-07	12	17720									
22-Dec-07	9	12778		-							
23-Dec-07	11	15358									
24-Dec-07	10	14754	0.00	0.00	0.00	0.00	0.00	79.60	ND	42.7	ND
25-Dec-07	9	12397									
26-Dec-07	10	14942						1			
27-Dec-07	12	16771									
28-Dec-07	22	32303									
29-Dec-07	8	11070									
30-Dec-07	6	9191									
31-Dec-07			0.00	0.00	0.00	0.00	0.00				
1-Jan-08											

ISOCHEM INC. FEBRUARY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Feb-07	23	33,024						
2-Feb-07	11	15,383						
3-Feb-07	11	15,213						
4-Feb-07	7	10,785	0.00	3.15	0.00	0.00	0.00	28.20
5-Feb-07	16	23,107						
6-Feb-07	20	28,779						
7-Feb-07	15	21,741						
8-Feb-07	10	14,637						
9-Feb-07	12	17,775						
10-Feb-07	10	14,770						
11-Feb-07	8	11,592	0.00	0.00	0.00	0.00	0.00	64.00
12-Feb-07	8	12,081						
13-Feb-07	14	20,644						
14-Feb-07	20	28,702						
15-Feb-07	10	14,123						
16-Feb-07	12	17,559						
17-Feb-07	11	16,267						
18-Feb-07	11	16,376	0.00	0.00	0.00	0.00	0.00	43.00
19-Feb-07	11	15,381						
20-Feb-07	25	35,828						
21-Feb-07	19	27,862						
22-Feb-07	17	24,497						
23-Feb-07	14	20,130						
24-Feb-07	13	18,527						
25-Feb-07	13	19,437	0.00	15.24	0.00	0.00	0.00	39.00
26-Feb-07	9	13,032						
27-Feb-07	7	10,427						
28-Feb-07	8	11,775						
1-Mar-07	13	18,595						
2-Mar-07	11	15,893						
3-Mar-07	12	16,751						
4-Mar-07	12	17,121						

ISOCHEM INC. JANUARY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm	Chloroform ppm
LIMIT			137.00	200.00	53.00	NA	199.00		
1-Jan-07	11	15,421							
2-Jan-07	10	14,996	0.00	11.51	0.00	0.00	0.00	NA	
3-Jan-07	13	18,870							
4-Jan-07	17	24,651							
5-Jan-07	9	12,758							
6-Jan-07	7	9,530							
7-Jan-07	9	12,735							
8-Jan-07	10	14,535							
9-Jan-07	11	16,260	33.90	4.07	0.00	6.92	0.00	NA	
10-Jan-07	16	23,462							
11-Jan-07	24	35,134							
12-Jan-07	10	13,807							
13-Jan-07	11	15,372							
14-Jan-07	11	15,422							
15-Jan-07	9	12,495							
16-Jan-07	15	21,194	0.00	22.10	0.00	0.00	0.00	NA	
17-Jan-07	17	24,610		•					
18-Jan-07	9	12,266							
19-Jan-07	9	13,517							
20-Jan-07	10	14,140							
21-Jan-07	7	9,491							
22-Jan-07	7	9,886							
23-Jan-07	16	23,524	0.00	0.00	0.00	0.00	0.00	69.2	2.59
24-Jan-07	19	27,245							
25-Jan-07	12	17,346							
26-Jan-07	10	14,345							
27-Jan-07	8	11,227							
28-Jan-07	12	17,412							
29-Jan-07	12	16,793							
30-Jan-07	11	15,299	0.00	0.00	0.00	0.00	0.00	178	<32
31-Jan-07	22	30,965							

VAN DE MARK CHEMICAL INC. JULY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Jul-07	2	3,314						
2-Jul-07	32	45,631	0.00	0.00	0.00	0.00	0.00	
3-Jul-07	42	61,191						
4-Jul-07	2	2,917						
5-Jul-07	3	4,713						
6-Jul-07	2	2,929						
7-Jul-07	7	9,736						
8-Jul-07	5	7,055						
9-Jul-07	4	5,666	0.00	0.00	0.00	0.00	0.00	
10-Jul-07	11	16,287						
11-Jul-07	18	26,324						
12-Jul-07	12	16,734						
13-Jul-07	11	15,334						
14-Jul-07	7	9,531						
15-Jul-07	7	9,531						
16-Jul-07	7	9,917	0.00	0.00	0.00	6.95	0.00	
17-Jul-07	7	9,397						
18-Jul-07	8	10,822						
19-Jul-07	12	17,605						
20-Jul-07	7	10,669						
21-Jul-07	4	6,391						
22-Jul-07	4	5,755	0.00	0.00		40.04	0.00	
23-Jul-07	3	4,037	0.00	0.00	0.00	10.94	0.00	
24-Jul-07	19	26,660						
25-Jul-07	6	8,460						
26-Jul-07	4	6,062						
27-Jul-07	4	5,937				*		
28-Jul-07	8	12,177						
29-Jul-07	6	9,133						
30-Jul-07	5	7,412	0.00	0.00	0.00	37.09	3.09	
31-Jul-07	12	17,791						
1-Aug-07	11	16,006						
2-Aug-07	7	9,945						
3-Aug-07	5	6,609						
4-Aug-07	11	16,291						
5-Aug-07	5	7,494						
6-Aug-07	6	9,164						
7-Aug-07	13	18,963						
8-Aug-07	13	18,558						

VAN DE MARK CHEMICAL INC. JUNE 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Jun-07	7	10,317						
2-Jun-07	7	9,453						
3-Jun-07	5	7,727	1.68	10.95	0.00	18.69	3.74	
4-Jun-07	4	6,232						
5-Jun-07	7	10,501						
6-Jun-07	11	15,625						
7-Jun-07	9	12,768						
8-Jun-07	7	10,373						
9-Jun-07	6	8,151						
10-Jun-07	9	13,065	0.00	6.97	0.00	0.00	0.00	
11-Jun-07	7	10,047						
12-Jun-07	11	15,270						
13-Jun-07	13	18,787						
14-Jun-07	15	22,024						
15-Jun-07	9	12,343						
16-Jun-07	9	12,453						
17-Jun-07	9	12,636	7.17	0.00	0.00	8.22	0.00	
18-Jun-07	11	15,680						
19-Jun-07	2	3,036						
20-Jun-07	0	75						
21-Jun-07	0	150						
22-Jun-07	0	374						
23-Jun-07	1	1,646						
24-Jun-07	4	5,887	0.00	0.00	0.00	0.00	0.00	
25-Jun-07	1	972						
26-Jun-07	31	44,434						
27-Jun-07	48	69,719						
28-Jun-07	26	37,702						
29-Jun-07	2	2,734						
30-Jun-07	4	5,958						
1-Jul-07	2	3,314						

ISOCHEM INC. MARCH 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT	1 low G1 M1		137.00	200.00	53.00	NA NA	199.00	ppiii
1-Mar-07	13	18,595						
2-Mar-07	11	15,893			*			
3-Mar-07	12	16,751						
4-Mar-07	12	17,121	0.00	77.11	0.00	0.00	19.99	9.55
5-Mar-07	8	12,155						
6-Mar-07	9	12,855						
7-Mar-07	10	13,940						
8-Mar-07	17	25,007						
9-Mar-07	11	16,332						
10-Mar-07	9	13,634						
11-Mar-07	10	14,325	0.00	96.77	0.00	0.00	35.84	5.00
12-Mar-07	8	12,115						
13-Mar-07	13	18,239						
14-Mar-07	7	9,784						
15-Mar-07	11	16,209						
16-Mar-07	11	15,346						
17-Mar-07	11	16,129						
18-Mar-07	13	18,158	0.00	71.18	18.48	0.00	4.24	
19-Mar-07	13	19,071						
20-Mar-07	16	23,737						
21-Mar-07	20	28,885						
22-Mar-07	17	24,462						
23-Mar-07	13	18,846						
24-Mar-07	12	17,672						
25-Mar-07	16	22,322	7.82	0.00	0.00	6.70	0.00	
26-Mar-07	9	13,263					4	
27-Mar-07	35	50,383						
28-Mar-07	18	26,389						
29-Mar-07	14	20,458						
30-Mar-07	11	15,290						
31-Mar-07	17	24,365						
1-Apr-07	13	18,599						

ISOCHEM INC. MAY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	p p ····
1-May-07	9	12,766						
2-May-07	16	23,318						
3-May-07	12	17,860						
4-May-07	3	3,665						
5-May-07	1	1,795						
6-May-07	13	18,754						
7-May-07	8	11,282	71.51	81.86	0.00	2.63	0.00	
8-May-07	7	9,455						
9-May-07	16	22,907						
10-May-07	15	21,179						
11-May-07	5	7,325						
12-May-07	8	10,845						
13-May-07	8	11,902						
14-May-07	5	7,909	72.56	34.96	0.00	0.00	11.21	
15-May-07	8	10,935						
16-May-07	17	24,214						
17-May-07	16	22,430						
18-May-07	12	16,615						
19-May-07	4	6,473						
20-May-07	6	9,335						
21-May-07	6	8,515	2.41	78.11	0.00	0.00	78.11	
22-May-07	9	13,460						
23-May-07	10	14,816						
24-May-07	16	23,432						
25-May-07	6	8,500						
26-May-07	5	6,595						
27-May-07	10	13,875	-					
28-May-07	10	15,049	17.57	28.87	0.00	0.00	6.40	
29-May-07	7	10,229						
30-May-07	11	15,676						
31-May-07	11	15,916						
1-Jun-07	7	10,317						
2-Jun-07	7	9,453						
3-Jun-07	5	7,727						

VAN DE MARK CHEMICAL INC.NOVEMBER 2007 FLOWS AND ANALYTICAL

				_				Ur	nit 1		nit 2
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
ļ	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb
LIMIT			137.00	200.00	53.00	NA	199.00				
1-Nov-07	8	11,940						* Unit 2 is o	nly analyzed	if unit 1 is de	tectable
2-Nov-07	10	14,825									
3-Nov-07	11	16,480									
4-Nov-07_	6	8,466									
5-Nov-07	4	6,336	0.00	1.69	0.00	0.00	0.00				
6-Nov-07	16	23,300									
7-Nov-07	24	34,106									
8-Nov-07	10	14,741									
9-Nov-07	7	10,644									
10-Nov-07	7	9,739									
11-Nov-07	5	7,599			i						
12-Nov-07	7	10,782	0.00	37.77	0.00	2.34	13.49	23500	4850	<7.1	<4.9
13-Nov-07	17	24,639									
14-Nov-07	19	27,038				·					
15-Nov-07	20	29,242									<u> </u>
16-Nov-07	16	22,804									
17-Nov-07	8	11,696									*
18-Nov-07	7	9,389									
19-Nov-07	9	12,449	0.00	4.88	0.00	0.00	3.32				
20-Nov-07	4	6,276				0.00	0.00			*	
21-Nov-07	14	20,815									
22-Nov-07	12	17,926		 							-
23-Nov-07	8	11,839							1		
24-Nov-07	5	6,749		· · · · · · · · · · · · · · · · · · ·		,					
25-Nov-07	6	9,174			1						
26-Nov-07	15	21,034	0.00	0.00	0.00	0.00	0.00	<7.1	<4.9	*	*
27-Nov-07	19	27,193		0.00	5.55	 	3.00	•••	1.0		·
28-Nov-07	26	37,548									
29-Nov-07	11	16,303									
30-Nov-07	7	9,929									
1-Dec-07	7	10,452	 								
2-Dec-07	7	9,437							-		

VAN DE MARK CHEMICAL INC.OCTOBER 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Oct-07	7	9,418	0.00	14.14	0.00	13.35	6.28	
2-Oct-07	11	15,499			•			
3-Oct-07	15	21,517						
4-Oct-07	15	22,240						
5-Oct-07	12	17,424						
6-Oct-07	10	14,478						
7-Oct-07	12	17,791						
8-Oct-07	11	15,155	0.00	91.00	0.00	0.00	0.00	
9-Oct-07	13	19,403						
10-Oct-07	14	20,805						
11-Oct-07	22	31,194						
12-Oct-07	13	18,915						
13-Oct-07	11	15,967						
14-Oct-07	11	15,393						
15-Oct-07	14	20,878	0.00	104.47	19.15	0.00	9.23	
16-Oct-07	18	26,172						
17-Oct-07	20	28,355						
18-Oct-07	13	18,205						
19-Oct-07	12	17,238						
20-Oct-07	6	8,759						
21-Oct-07	9	13,190						
22-Oct-07	8	11,917	0.00	17.89	0.00	66.59	5.07	
23-Oct-07	17	24,530						
24-Oct-07	11	16,381						
25-Oct-07	9	13,280						
26-Oct-07	6	8,821						
27-Oct-07	10	14,756						
28-Oct-07	11	15,197						
29-Oct-07	2	2,843	0.00	4.50	0.00	14.23	0.62	
30-Oct-07	8	11,194						
31-Oct-07	8	11,456						
1-Nov-07	8	11,940						
2-Nov-07	10	14,825						
3-Nov-07	11	16,480						
4-Nov-07	6	8,466						

VAN DE MARK CHEMICAL INC. SEPTEMBER 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Sep-07	12	17,523						
2-Sep-07	9	12,896						
3-Sep-07	8	10,989	0.00	57.74	0.00	0.00	0.00	
4-Sep-07	13	18,586						
5-Sep-07	9	12,772						
6-Sep-07	8	12,140						
7-Sep-07	7	9,407						
8-Sep-07	5	7,768						
9-Sep-07	6	8,393						
10-Sep-07	10	14,039	0.00	69.08	0.00	0.00	6.32	
11-Sep-07	18	25,270						
12-Sep-07	19	27,509						
13-Sep-07	21	30,437						
14-Sep-07	15	22,222						
15-Sep-07	10	14,854						
16-Sep-07	9	12,717						
17-Sep-07	14	20,250	0.00	9.46	4.22	0.00	0.00	
18-Sep-07	16	23,476						
19-Sep-07	18	26,021						
20-Sep-07	12	17,807						
21-Sep-07	16	22,367						
22-Sep-07	17	23,968						
23-Sep-07	12	17,247						
24-Sep-07	7	10,169	0.00	16.11	0.00	0.00	0.00	
25-Sep-07	8	10,981						
26-Sep-07	13	19,364						
27-Sep-07	12	17,337						
28-Sep-07	7	9,527						
29-Sep-07	7	10,462						
30-Sep-07	8	11,076						
		16,586						

VAN DEMARK CHEMICAL INC. APRIL 2008 FLOWS AND ANALYTICAL

								Ur	nit 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	РОН	PNBC	Methanol	NBA	МСВ	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA I	199.00							
31-Mar-08	11	16,176	0.00	0.00	0.00	0.00	0.00		İ					
1-Apr-08	11	15,234												
2-Apr-08	13	18,176												
3-Apr-08	13	19,221												
4-Apr-08	13	18,362												
5-Apr-08	12	17,604												
6-Apr-08	10	14,400	0.00	6.85	0.00	30.02	0.00					ND	ND	473
7-Apr-08	11	15,948										ND	ND	ND
8-Apr-08	18	25,865										ND	ND	ND
9-Apr-08	21	30,371										33	ND	61
10-Apr-08	12	17,996						. "				23	ND	13
11-Apr-08	15	20,925								, ,		ND	ND	31
12-Apr-08	14	19,971												
13-Apr-08	9	13,222	0.00	15.44	0.00	0.00	0.00	140.00	1230	19.7	ND			
14-Apr-08	7	10,438												
15-Apr-08	15	21,963												
16-Apr-08	15	22,024												
17-Apr-08	14	20,128												
18-Apr-08	7	9,850												
19-Apr-08	5	7,892												
20-Apr-08	8	11,909	0.00	0.00	10.93	33.77	0.00							
21-Apr-08	10	15,004												
22-Apr-08	7	10,207												
23-Apr-08	10	13,867												
24-Apr-08	13	18,392												
25-Apr-08	10	13,693												
26-Apr-08	6	9,186												
27-Apr-08	9	12,503	0.00	9.49	0.00	9.28	0.00							
28-Apr-08	13	18,047												
29-Apr-08	13	18,100												
30-Apr-08	15	21,751												

VAN DE MARK CHEMICAL INC. AUGUST 2008 FLOWS AND ANALYTICAL

								Un	nit 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00	-	_	-				
			10175									auto .		
1-Aug-08	11	15,709				· · · · · ·								
2-Aug-08	9	12,428												
3-Aug-08	8	10,983												
4-Aug-08	6	9,090												
5-Aug-08	12	16,650	0.00	8.33	0.00	3.61	0.00	68.70	ND	11	ND			
6-Aug-08	14	20,022												
7-Aug-08	14	20,428												
8-Aug-08	17	24,304												
9-Aug-08	8	11,414												
10-Aug-08	9	12,510												
11-Aug-08	6	8,949												
12-Aug-08	5	7,772	0.00	2.72	0.00	0.00	1.94							
13-Aug-08	4	5,981												
14-Aug-08	10	13,800												
15-Aug-08	11	15,451												
16-Aug-08	9	13,490												
17-Aug-08	6	8,751						·						
18-Aug-08	10	14,344												
19-Aug-08	11	15,799	0.00	0.00	0.00	0.00	0.00	10.30	16.8	ND	12.4			
20-Aug-08	13	18,440												
21-Aug-08	11	16,539										,		
22-Aug-08	9	12,854												
23-Aug-08	7	9,556												
24-Aug-08	7	10,771												
25-Aug-08	16	23,217												
26-Aug-08	13	19,174	0.00	4.64	107.14	0.00	14.39							
27-Aug-08	16	23,707												
28-Aug-08	10	15,106												
29-Aug-08	9	13,318												
30-Aug-08	6	8,640												
31-Aug-08	8	12,003												
1-Sep-08	11	16,008												

VAN DE MARK CHEMICAL INC. DECEMBER 2008 FLOWS AND ANALYTICAL

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									Un	it 1	U	nit 2			
Flow GPM	DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
T-Dec-08				#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
T-Dec-08	LIMIT			137.00	200.00	53.00	NA	199.00			_	İ			
2-Dec-08 23 33,328 0.00 25,29 105,62 0.00				1											
2-Dec-08 23 33,328 0.00 25,29 105,62 0.00	1-Dec-08	23	33,217												
3-De-08 22 31,972	2-Dec-08			0.00	25.29	105.62	0.00	0.00				ļ .			
4-Dec-08															
5-Dec-08 23 33,714	4-Dec-08														
6-Dec-08 20 29.263	5-Dec-08	23			·····										
7-Dec-08	6-Dec-08	20													
8-Dec-08	7-Dec-08	18	25,819												
10-Dec-08	8-Dec-08	22													
11-Dec-08 30 43,156 43,156 43,156 43,156 43,156 43,156 43,156 43,156 43,156 43,156 43,156 43,156 44,156	9-Dec-08	25	36,251	0.00	0.00	9.37	42.33	0.00	5690.00	5490	D	11.6			
12-Dec-08 20 28,394	10-Dec-08	34	49,365												
13-Dec-08 16 22,772	11-Dec-08	30	43,156												
14-Dec-08 15 21,153	12-Dec-08	20	28,394												
15-Dec-08	13-Dec-08	16	22,772												
16-Dec-08 24 33,959 10.20 0.00 0.00 9.35 0.00 17-Dec-08 29 41,066 41,066 41,066 41,066 41,066 18-Dec-08 25 36,635 41,066	14-Dec-08	15	21,153												
17-Dec-08 29 41,066	15-Dec-08	21	30,501												
18-Dec-08 25 36,635	16-Dec-08	24	33,959	10.20	0.00	0.00	9.35	0.00							
19-Dec-08 19 27,159	17-Dec-08	29	41,066			l									
20-Dec-08 20 28,373	18-Dec-08	25	36,635												
21-Dec-08 18 25,774	19-Dec-08	19	27,159												
22-Dec-08 20 29,331 0.00 0.00 0.00 634.00 58.6 ND ND 24-Dec-08 20 28,162 0.00 0.00 634.00 58.6 ND ND 25-Dec-08 19 28,018 0.00 </td <td>20-Dec-08</td> <td>20</td> <td>28,373</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	20-Dec-08	20	28,373												
23-Dec-08 20 28,999 253.95 0.00 0.00 0.00 634.00 58.6 ND ND 24-Dec-08 20 28,162 25-Dec-08 19 28,018 26-Dec-08 16 22,562 27-Dec-08 23 33,778 28-Dec-08 39 55,986 29-Dec-08 21 30,346 30-Dec-08 22 31,687 0.00 0.00 0.00 0.00 0.00	21-Dec-08	18	25,774									·			
24-Dec-08 20 28,162 25-Dec-08 19 28,018 26-Dec-08 16 22,562 27-Dec-08 23 33,778 28-Dec-08 39 55,986 29-Dec-08 21 30,346 30-Dec-08 22 31,687 0.00 0.00 0.00 0.00	22-Dec-08	20	29,331												
25-Dec-08 19 28,018 26-Dec-08 16 22,562 27-Dec-08 23 33,778 28-Dec-08 39 55,986 29-Dec-08 21 30,346 30-Dec-08 22 31,687 0.00 0.00 0.00 0.00		20	28,999	253.95	0.00	0.00	0.00	0.00	634.00	58.6	ND	ND			
26-Dec-08 16 22,562 27-Dec-08 23 33,778 28-Dec-08 39 55,986 29-Dec-08 21 30,346 30-Dec-08 22 31,687 0.00 0.00 0.00 0.00	24-Dec-08	20	28,162												
27-Dec-08 23 33,778	25-Dec-08	19	28,018												
28-Dec-08 39 55,986 29-Dec-08 21 30,346 30-Dec-08 22 31,687 0.00 0.00 0.00	26-Dec-08	16													
29-Dec-08 21 30,346 30-Dec-08 22 31,687 0.00	27-Dec-08	23	33,778												
30-Dec-08 22 31,687 0.00 0.00 0.00 0.00 0.00	28-Dec-08	39	55,986												
	29-Dec-08	21	30,346												
31-Dec-08 17 24,320	30-Dec-08	22	31,687	0.00	0.00	0.00	0.00	0.00							
	31-Dec-08	17	24,320												

VAN DE MARK CHEMICAL INC.FEBRUARY 2008 FLOWS AND ANALYTICAL

								Ur	nit 1	U	nit 2
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb
LIMIT			137.00	200.00	53.00	NA	199.00				
1-Feb-08	11	15,732					!				
2-Feb-08	10	14,182								-	
3-Feb-08	12	17,637									
4-Feb-08	12	17,013	0.00	0.00	0.00	156.08	0.00	49.80	72.50	ND	ND
5-Feb-08	19	27,855									
6-Feb-08	22	32,247									
7-Feb-08	17	24,610									
8-Feb-08	14	19,709									
9-Feb-08	10	14,526									
10-Feb-08	10	14,262									
11-Feb-08	8	11,981	0.00	239.82	0.00	47.96	38.97				
12-Feb-08	14	20,111									
13-Feb-08	11	15,478									
14-Feb-08	17	24,682									
15-Feb-08	13	18,641									
16-Feb-08	21	30,427									
17-Feb-08	21	30,851								,	
18-Feb-08	25	35,899	0.00	41.92	0.00	80.84	10.48	133.00	41.00	ND	ND
19-Feb-08	28	40,022									
20-Feb-08	21	30,955								•	*,
21-Feb-08	18	25,534									
22-Feb-08	22	31,137									
23-Feb-08	21	30,865									
24-Feb-08	12	16,878									
25-Feb-08	13	18,880	0.00	18.89	0.00	0.00	0.00				
26-Feb-08	15	22,094									
27-Feb-08	16	23,174									
28-Feb-08	21	30,172									
29-Feb-08	21	29,968									
1-Mar-08	19	27,442									
2-Mar-08	19	26,651									

								Un			it 2
DATE	MAX Daily	GPD	DEA	POH		Methanol		MCB	Toluene	MCB	Toluene
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb
LIMIT			137.00	200.00	53.00	NA	199.00				
31-Dec-07	3	4,228	0.00	0.00	0.00	0.00	0.00				
1-Jan-08	9	12,925									
2-Jan-08	15	21,071									
3-Jan-08	12	16,561									
4-Jan-08	21	30,957									
5-Jan-08	17	24,236									
6-Jan-08	9	12,714									
7-Jan-08	12	17,859	0.00	65.54	0.00	0.00	19.36	7.40	ND	ND	ND
8-Jan-08	13	18,706									
9-Jan-08	14	19,842									
10-Jan-08	16	23,128									
11-Jan-08	8	11,719									
12-Jan-08	5	6,992									
13-Jan-08	7	9,532									
14-Jan-08	5	7,690	0.00	0.00	0.00	15.39	0.00			·	
15-Jan-08	8	10955									
16-Jan-08	10	13782								·	
17-Jan-08	9	12554									-
18-Jan-08	9	12275									
19-Jan-08	6	8,565									
20-Jan-08	6	8,269									
21-Jan-08	6	8,505	0.00	0.00	0.00	85.12	0.00				
22-Jan-08	11	15,746									
23-Jan-08	12	17,214									
24-Jan-08	12	16,953									
25-Jan-08	13	18,530									
26-Jan-08	9	12,701									
27-Jan-08	18	25,684									
28-Jan-08	4	5,709	0.00	0.00	0.00	123.78	0.00	10500.00	16500	24.4	9.5
29-Jan-08	8	11,889									
30-Jan-08	10	14,403									
31-Jan-08	10	13,682									
1-Feb-08	11	15,651									
2-Feb-08	10	14,155									
3-Feb-08	12	17,603									

									nit 1		nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/i	ug/l	ppb	ppm	ppm	ppm
LIMIT	1		137.00	200.00	53.00	NA	199.00							
														
1-Jul-08	29	41,760	1											
2-Jul-08	27	38,929												
3-Jul-08	18	26,419												
4-Jul-08	16	22,763												
5-Jul-08	12	17,566												
6-Jul-08	14	19,663												
7-Jul-08	17	23,954	0.00	0.00	0.00	0.00	0.00	ND	ND					
8-Jul-08	23	32,471												
9-Jul-08	15	22,142												{
10-Jul-08	24	34,811												
11-Jul-08	24	34,452												
12-Jul-08	22	31,838												
13-Jul-08	16	23,683												
14-Jul-08	22	31,522	0.00	102,53	0.00	15.51	0.00							
15-Jul-08	22	32,095												
16-Jul-08	22	32,189												
17-Jul-08	20	29,016												
18-Jul-08	20	29,407												
19-Jul-08	14	19,602				·								
20-Jul-08	15	22,223												
21-Jul-08	14	20,639	0.00	127.38	0.00	0.00	14.98	ND	ND					
22-Jul-08	22	31,521												
23-Jul-08	12	17,472												
24-Jul-08	14	20,078												
25-Jul-08	21	29,556												
26-Jul-08	18	26,401												L
27-Jul-08	12	17,686												
28-Jul-08	13	19,185	0.00	75.20	0.00	0.00	16.00							i
29-Jul-08	13	18,872												
30-Jul-08	18	25,442												
31-Jul-08	14	20,294												
1-Aug-08	11	15,709												
2-Aug-08	9	12,428												
3-Aug-08	8	10,983							[i
4-Aug-08	6	9,090												
5-Aug-08	12	16,650												

LIMIT Flow GPM #Iday #Iday #Iday #Iday #Iday #Iday ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l									Un	nit 1	Uı	nit 2	i		
LIMIT	DATE	MAX Daily	GPD		POH		Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
1-Jun-08		Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
1-Jun-08	LIMIT			137.00	200.00	53.00	NA	199.00		1			ĺ		
2-Jun-08				1											
2-Jun-08	1-Jun-08	14	20,114												
3-Jun-08 9		10		6.87	0.00	82.48	0.00	0.00							
4-Jun-08															
S-Jun-08															
G-Jun-08 12		10													
T-Jun-08								·							
8-Jun-08 9															
9-Jun-08															
10-Jun-08		8	12,104	22.21	0.00	0.00	0.00	0.00	ND	66.6	ND	ND			
11-Jun-08							, , , , , ,								
12-Jun-08															
13-Jun-08															
14-Jun-08															
15-Jun-08				1											
16-Jun-08															
17-Jun-08				37.42	0.00	0.00	0.00	0.00							
18-Jun-08 15															1
19-Jun-08 19					,										i
20-Jun-08															
21-Jun-08															
22-Jun-08 14 19,854					.,										
23-Jun-08 15 22,059 8.65 0.00 0.00 0.00 ND ND 24-Jun-08 16 23,474 25-Jun-08 16 23,532 26-Jun-08 18 25,464 27-Jun-08 32 45,443 28-Jun-08 13 19,049 29-Jun-08 12 17,656 30-Jun-08 18 26,250 26.27 30.65 0.00 32.84 0.00 1-Jul-08 29 41,760 2-Jul-08 27 38,929 3-Jul-08 18 26,419 4-Jul-08 16 22,763 5-Jul-08 12 17,566 6-Jul-08 14 19,663													-	-,	
24-Jun-08 16 23,474				8.65	0.00	0.00	0.00	0.00	ND	ND					
25-Jun-08 16 23,532					***************************************		· · · · · · · · · · · · · · · · · · ·	-							
26-Jun-08 18 25,464															
27-Jun-08 32 45,443	26-Jun-08	18													
28-Jun-08 13 19,049								,							
29-Jun-08 12 17,656								-							
30-Jun-08 18 26,250 26.27 30.65 0.00 32.84 0.00 1-Jul-08 29 41,760 10											_				
1-Jul-08 29 41,760 2-Jul-08 27 38,929 3-Jul-08 18 26,419 4-Jul-08 16 22,763 5-Jul-08 12 17,566 6-Jul-08 14 19,663				26.27	30.65	0.00	32.84	0.00							
2-Jul-08 27 38,929 3-Jul-08 18 26,419 4-Jul-08 16 22,763 5-Jul-08 12 17,566 6-Jul-08 14 19,663															
3-Jul-08 18 26,419 4-Jul-08 16 22,763 5-Jul-08 12 17,566 6-Jul-08 14 19,663															
4-Jul-08 16 22,763 5-Jul-08 12 17,566 6-Jul-08 14 19,663														* "	
5-Jul-08 12 17,566 6-Jul-08 14 19,663															
6-Jul-08 14 19,663								, , , , , , , , , , , , , , , , , , ,							
7-Jul-08 17 23,954					-										
8-Jul-08 23 32,471															

VAN DE MARK CHEMICAL INC. MARCH 2008 FLOWS AND ANALYTICAL

									it 1	U	nit 2
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/i	ppb
LIMIT			137.00	200.00	53.00	NA	199.00				
1-Mar-08	19	27,442									
2-Mar-08	19	26,651		· · · · ·							
3-Mar-08	18	25,389	0.00	0.00	0.00	0.00	0.00	ND	ND	ND	ND
4-Mar-08	19	28,065								, ,	
5-Mar-08	18	25,905									
6-Mar-08	18	25,473				, , , , , ,					
7-Mar-08	16	22,592									
8-Mar-08	15	21,952									
9-Mar-08	13	18,931						-			
10-Mar-08	12	17,750	0.00	20.73	5.63	0.00	14.80				
11-Mar-08	14	20,330									
12-Mar-08	17	25,187									
13-Mar-08	20	28,611									
14-Mar-08	17	24,187									
15-Mar-08	12	17,484									
16-Mar-08	12	17,412									
17-Mar-08	13	19,180	0.00	7.84	4.96	16.00	0.00				
18-Mar-08	19	27,188		 							
19-Mar-08	16	22,745									
20-Mar-08	12	17,402									-
21-Mar-08	12	17,677	,					···· ·			
22-Mar-08	11	16,274									
23-Mar-08	9	13,207									
24-Mar-08	9	12,739	0.00	0.00	0.00	0.00	0.00	91.20	10	ND	ND
25-Mar-08	13	18,084						,			
26-Mar-08	19	27,634									
27-Mar-08	16	22,859									
28-Mar-08	12	17,786									
29-Mar-08	16	22,473									
30-Mar-08	13	18,035									
31-Mar-08	11	16,176	0.00	0.00	0.00	0.00	0.00				

VAN DE MARK CHEMICAL INC. MAY 2008 FLOWS AND ANALYTICAL

								Ur	nit 1		nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							j
	1													
1-May-08	13	18,889											,	
2-May-08	9	12,922	<u> </u>											
3-May-08	8	11,343												
4-May-08	9	13,533												
5-May-08	9	12,943	0.00	32.38	0.00	5.29	20.51	ND	ND					
6-May-08	17	24,144												
7-May-08	12	16,708												
8-May-08	25	36,305												
9-May-08	10	14,611												
10-May-08	10	14,535												
11-May-08	12	17,297												
12-May-08	9	12,833	0.00	41.74	0.00	3.00	0.00	ND	ND					
13-May-08		15,627												
14-May-08	8	11,858					•							
15-May-08	15	20,951												
16-May-08	14	19,802							l "					
17-May-08	10	14,276												
18-May-08	9	12,505												
19-May-08	9	13,232	0.00	101.52	0.00	3.42	39.73							
20-May-08		16,382												
21-May-08	11	15,516												
22-May-08	12	17,005								•			, ,	
23-May-08	10	14,609				·								
24-May-08	13	18,622		·										
25-May-08		21,523												
26-May-08	14	19,552	0.00	78.27	0.00	32.61	7.99	260.00	992	10.2	ND			
27-May-08		10,346												
28-May-08	15	21,544												
29-May-08		17,249					• •							
30-May-08		20,690								······································				
31-May-08		20,412	1		····									
1-Jun-08	14	20,114												

VAN DE MARK CHEMICAL INC. NOVEMBER 2008 FLOWS AND ANALYTICAL

								Ur	nit 1	U	nit 2			
DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb	SBOH ppm	lcaridin ppm	HEPP ppm
- LIVII I		- 	137.00	200.00	33.00	INA	199.00							
1-Nov-08	15	21,287	 			<u> </u>								<u> </u>
2-Nov-08	17	23,982							1					<u> </u>
3-Nov-08	15	21,878	0.00	10.04	0.00	0.00	0.00							
4-Nov-08	19	27,740												
5-Nov-08	20	29,304												
6-Nov-08	18	25,884										•		
7-Nov-08	14	20,527												
8-Nov-08	14	19,940												
9-Nov-08	14	19,565												
10-Nov-08	17	24,952	0.00	45.78	0.00	0.00	0.00							
11-Nov-08	22	32,143						ND	ND					
12-Nov-08	23	33,813												
13-Nov-08	15	21,323												
14-Nov-08	12	17,655												
15-Nov-08	12	17,615									1			
16-Nov-08	13	18,757												
17-Nov-08	11	15,590	0.00	0.00	0.00	0.00	0.00							
18-Nov-08	52	74,382												
19-Nov-08	23	32,859												
20-Nov-08	18	25,523												
21-Nov-08	19	28,043												
22-Nov-08	23	32,669												
23-Nov-08	23	33,377												
24-Nov-08	21	30,003	0.00	0.00	0.00	0.00	0.00							
25-Nov-08	22	32,061			<u> </u>									
26-Nov-08	21	29,661												
27-Nov-08	22	31,856								··				
28-Nov-08	18	26,193												
29-Nov-08	19	27,304												
30-Nov-08	21	30,407												
		1	1]								<u> </u>

VAN DE MARK CHEMICAL INC. OCTOBER 2008 FLOWS AND ANALYTICAL

								Un	nit 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00		1					
1-Oct-08	17	24,673												
2-Oct-08	27	38,723												
3-Oct-08	13	18,633												
4-Oct-08	15	20,915												
5-Oct-08	19	27,879												
6-Oct-08	15	21,667	0.00	0.00	0.00	10.66	0.00							
7-Oct-08	17	24,978												
8-Oct-08	29	41,142												
9-Oct-08	25	36,683												
10-Oct-08	16	22,606												
11-Oct-08	18	25,797												
12-Oct-08	12	16,638												
13-Oct-08	17	24,590	0.00	0.00	0.00	0.00	0.00							
14-Oct-08	12	17,761						ND	ND					
15-Oct-08	18	25,519												
16-Oct-08	19	27,868												
17-Oct-08	19	27,289												
18-Oct-08	15	21,926												
19-Oct-08	13	19,289												
20-Oct-08	16	23,717	0.00	0.00	0.00	0.00	0.00							
21-Oct-08	28	40,336												
22-Oct-08	21	30,114											• •	*
23-Oct-08	22	32,250												
24-Oct-08	17	24,435												
25-Oct-08	22	31,357												
26-Oct-08	17	24,618								-				
27-Oct-08	21	30,219	0.00	10.33	0.00	0.00	0.00							
28-Oct-08	21	30,301			,		****	59.60	15.7	16.2	6.2	***************************************		
29-Oct-08	23	33,666												
30-Oct-08	20	28,115												
31-Oct-08	17	24,520	1											
		1		-										

VAN DE MARK CHEMICAL INC. SEPTEMBER 2008 FLOWS AND ANALYTICAL

									Ur	it 1	Uı	nit 2			
DATE	MAX Daily		GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM			#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT				137.00	200.00	53.00	NA	199.00							
							T								
1-Sep-08	11		16,008	88.11	7.61	4.01	0.00	5.61							
2-Sep-08	14		20,213				1		ND	ND					
3-Sep-08	17		24,100				1								
4-Sep-08	16		23,110												
5-Sep-08	13		19,331												
6-Sep-08	11		16,512												
7-Sep-08	11		16,121												
8-Sep-08	14		19,608	27.80	57.24	121.02	4.42	5.40							
9-Sep-08	18		26,317												
10-Sep-08	18		25,307												
11-Sep-08	17		24,572										•		
12-Sep-08	11		15,574												
13-Sep-08	10		15,038												
14-Sep-08	17		24,677												
15-Sep-08	19		27,869	8.13	251.02	74.38	0.00	111.56							
16-Sep-08	30		42,764						D	ND					
17-Sep-08	15		21,391												
18-Sep-08	13		18,898				1								
19-Sep-08	13		18,436												
20-Sep-08	9		12,821					-			-				
21-Sep-08	13		18,013												
22-Sep-08	14		20,019	45.08	121.88	0.00	0.00	55.10							
23-Sep-08	16		23,181												
24-Sep-08	13		19,082												
25-Sep-08	19		27,761												
26-Sep-08	10		14,932												
27-Sep-08	7		10,232												
28-Sep-08	9		12,775												
29-Sep-08	12		17,195	0.00	0.00	100.38	15.77	15.77							
30-Sep-08	18		26,036												
		\Box													

VAN DE MARK CHEMICAL INC.MARCH 2009 FLOWS AND ANALYTICAL

								Un	it 1	Uı	nit 2			
DATE	MAX Daily	GPD	DEA	POH		Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							
1-Apr-09	7	9,828												
2-Apr-09	12	16,762												
3-Apr-09	12	17,787												
4-Apr-09	12	16,774												
5-Apr-09	13	18,885												
6-Apr-09	11	15,724	0.00	0.00	0.00	10.49	0.00							
7-Apr-09	24	33,975												
8-Apr-09	17	23,858												
9-Apr-09	16	22,670												
10-Apr-09	9	13,361												
11-Apr-09	6	9,154						*						
12-Apr-09	6	9,014												
13-Apr-09	22	31,386	0.00	0.00	0.00	575.86	0.00	9570.00	12500	6.6	ND			
14-Apr-09	15	21,556												
15-Apr-09	14	19,574												
16-Apr-09	17	24,182												
17-Apr-09	15	21,182												
18-Apr-09	4	6,268												
19-Apr-09	18	26,207												
20-Apr-09	14	19,670	0.00	0.00	0.00	229.67	0.00							
21-Apr-09	12	17,453					,							
22-Apr-09	10	14,785												
23-Apr-09	10	14,638												
24-Apr-09	12	17,899												
25-Apr-09	11	15,773												
26-Apr-09	13	18,410												
27-Apr-09	15	21,987	0.00	0.00	0.00	205.37	0.00	69.00	908	16.1	16.2			
28-Apr-09	22	30,999												
29-Apr-09	20	28,123												
30-Apr-09	21	30,618												



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11.

DATE MAX Dai Flow GPI LIMIT 1-Aug-09 5 2-Aug-09 9 3-Aug-09 13 4-Aug-09 16 7-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 21 12-Aug-09 20 13-Aug-09 10 15-Aug-09 21 14-Aug-09 21 15-Aug-09 8 17-Aug-09 8 17-Aug-09 10 15-Aug-09 10 22-Aug-09 15 21-Aug-09 27 19-Aug-09 27 19-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7 24-Aug-09 6	GPM 5 7 9 13 3 18 2 3 8 29 6 22 6 23 3 18 3 18	GPD DEA #/day 137.00 ,602 3,547 3,987 0.00 1,643 5,620 2,422		PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb	SBOH ppm	Icaridin ppm	HEPP ppm
LIMIT 1-Aug-09 5 2-Aug-09 9 3-Aug-09 13 4-Aug-09 22 5-Aug-09 16 7-Aug-09 16 7-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 15 21-Aug-09 15 21-Aug-09 15 21-Aug-09 16 23-Aug-09 7	5 7 9 13 3 18 2 3 8 29 6 22 6 23 2 17 3 18	137.00 ,602 3,547 3,987 0.00 1,643 5,620 2,422	200.00	53.00	NA		ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
1-Aug-09 5 2-Aug-09 9 3-Aug-09 13 4-Aug-09 12 5-Aug-09 16 6-Aug-09 16 7-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 34 12-Aug-09 23 13-Aug-09 22 14-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 17-Aug-09 8 17-Aug-09 14 18-Aug-09 15 21-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	9 13 3 18 22 33 8 25 6 22 6 23 2 17 3 18	,602 3,547 3,987 0.00 1,643 5,620 2,422				199.00			, , ,				
2-Aug-09 9 3-Aug-09 13 4-Aug-09 22 5-Aug-09 18 6-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 17-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 15 21-Aug-09 9 22-Aug-09 9 22-Aug-09 6 23-Aug-09 7	9 13 3 18 22 33 8 25 6 22 6 23 2 17 3 18	3,547 3,987 0.00 1,643 5,620 2,422	0.00	0.00	0.00								
2-Aug-09 9 3-Aug-09 13 4-Aug-09 22 5-Aug-09 18 6-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 17-Aug-09 8 17-Aug-09 14 18-Aug-09 15 21-Aug-09 27 19-Aug-09 15 21-Aug-09 9 22-Aug-09 9 22-Aug-09 6 23-Aug-09 7	9 13 3 18 22 33 8 25 6 22 6 23 2 17 3 18	3,547 3,987 0.00 1,643 5,620 2,422	0.00	0.00	0.00								
3-Aug-09 13 4-Aug-09 22 5-Aug-09 18 6-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 17-Aug-09 8 17-Aug-09 14 18-Aug-09 15 21-Aug-09 27 19-Aug-09 15 21-Aug-09 9 22-Aug-09 9 22-Aug-09 6 23-Aug-09 7	3 18 2 3' 8 25 6 22 6 23 2 17 3 18	3,987 0.00 1,643 5,620 2,422	0.00	0.00	0.00							1	1
4-Aug-09 22 5-Aug-09 18 6-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	2 3 3 8 25 6 22 6 23 17 3 18	1,643 5,620 2,422	0.00	0.00	0.00		1						
5-Aug-09 18 6-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	8 29 6 22 6 23 2 17 3 18	5,620 2,422			1 0.00	0.00	ND	ND					
6-Aug-09 16 7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 34 12-Aug-09 23 13-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 9 22-Aug-09 6 23-Aug-09 7	6 22 6 23 2 17 3 18	2,422											1
7-Aug-09 16 8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	6 23 2 17 3 18												
8-Aug-09 12 9-Aug-09 13 10-Aug-09 14 11-Aug-09 34 12-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	2 17 3 18								·				
9-Aug-09 13 10-Aug-09 14 11-Aug-09 34 12-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	3 18	3,692											
10-Aug-09 14 11-Aug-09 34 12-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		7,330											
11-Aug-09 34 12-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	4 20	3,964											
12-Aug-09 23 13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		0.00	0.00	0.00	0.00	0.00							
13-Aug-09 22 14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		9,133											
14-Aug-09 10 15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		2,679											
15-Aug-09 8 16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	2 3°	1,166											
16-Aug-09 8 17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	0 14	1,648											
17-Aug-09 14 18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	3 1	1,713											
18-Aug-09 27 19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		0,863					·						
19-Aug-09 21 20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		9,888 0.00	0.00	0.00	0.00	0.00	ND	ND					
20-Aug-09 15 21-Aug-09 9 22-Aug-09 6 23-Aug-09 7		3,206											
21-Aug-09 9 22-Aug-09 6 23-Aug-09 7	1 30	0,311						·	·				
22-Aug-09 6 23-Aug-09 7	5 2	1,344											
23-Aug-09 7	12	2,909											
		,659											
24-Aug-09 6	7 10	0,635											
		,662 0.00	0.00	0.00	0.00	0.00							
25-Aug-09 3		,131						İ					
26-Aug-09 14	4 19	9,464							··· ···				
27-Aug-09 17	7 24	1,778											
28-Aug-09 35		0,022	Ï.										
29-Aug-09 38		5,262	i i						-			· · · · · · · · · · · · · · · · · · ·	
30-Aug-09 48	- 1 1 00	9,587											
31-Aug-09 47		7,785 0.00	0.00	0.00	0.00	0.00	6960.00	7690	ND	26.2			
	8 69										***************************************		

VAN DE MARK CHEMICAL INC. DECEMBER 2009 FLOWS AND ANALYTICAL

								Un	it 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT		1	137.00	200.00	53.00	NA	199.00							
1-Dec-09	17	25,060											·	
2-Dec-09	19	26,764							*************		1			
3-Dec-09	13	19,318												
4-Dec-09	17	24,287							1					
5-Dec-09	27	38,973												
6-Dec-09	23	32,469												
7-Dec-09	19	28,008	15.18	0.00	0.00	44.38	0.00	7.07	415	ND	ND			
8-Dec-09	14	20,642												
9-Dec-09	13	19,124												
10-Dec-09	12	17,416								•				
11-Dec-09	8	10,852												
12-Dec-09	9	13,284									·			
13-Dec-09	9	13,332												
14-Dec-09	12	16,659	0.00	0.00	0.00	12.64	0.00	40.60	1420	ND	ND	-		
15-Dec-09	14	20,650							1					
16-Dec-09	20	29,361							1					
17-Dec-09	8	12,096										· · · · · · · · · · · · · · · · · · ·		
18-Dec-09	8	11,181								······································				
19-Dec-09	7	9,379												
20-Dec-09	7	9,633												
21-Dec-09	10	15,119	0.00	0.00	0.00	11.47	0.00							
22-Dec-09	13	18,930											~ .	
23-Dec-09	6	9,102												
24-Dec-09	6	8,436												
25-Dec-09	6	8,336		*****										
26-Dec-09	5	7,368			-	-								
27-Dec-09	4	6,352						· · · · · · · · · · · · · · · · · · ·						
28-Dec-09	6	8,969	0.00	0.00	0.00	0.00	0.00	36.30	380	ND	8.91			
29-Dec-09	6	8,739				-								
30-Dec-09	6	8,293												
31-Dec-09	13	18,170												

VAN DE MARK CHEMICAL INC. FEBRUARY 2009 FLOWS AND ANALYTICAL

								Un	nit 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	<u> </u>	.	137.00	200.00	53.00	NA	199.00							
													,	
1-Feb-09	20	28,180												
2-Feb-09	25	35,885		0.00	0.00	0.00	0.00	196.00	ND	6.9	ND			
3-Feb-09	20	29,486												
4-Feb-09	20	29,057												
5-Feb-09	18	26,578								·				
6-Feb-09	21	30,142												
7-Feb-09	23	33,025								·				
8-Feb-09	23	33,013												
9-Feb-09	22	31,900		0.00	0.00	0.00	0.00							
10-Feb-09	28	40,200												
11-Feb-09	29	41,784												
12-Feb-09	27	39,375												
13-Feb-09	25	36,511												
14-Feb-09	22	31,059	<u> </u>											
15-Feb-09	20	28,229												
16-Feb-09	20	29,066		0.00	0.00	0.00	0.00	21.10	ND	ND	ND			
17-Feb-09	26	37,001								····				
18-Feb-09	23	33,162				·								
19-Feb-09	18	25,922												
20-Feb-09	27	38,630												
21-Feb-09	21	30,881												
22-Feb-09	19	28,040	 											
23-Feb-09	18	25,921		0.00	0.00	0.00	0.00							
24-Feb-09	24	34,003												
25-Feb-09	30	43,014												
26-Feb-09	32	45,367												
27-Feb-09	28	40,908												
28-Feb-09	21	30,137	' 											

VAN DE MARK CHEMICAL INC. JANUARY 2009 FLOWS AND ANALYTICAL

								Un	it 1	Uı	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
ļ	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							
1-Jan-09	17	24,253												
2-Jan-09	17	25,146												
3-Jan-09	17	24,176												
4-Jan-09	18	26,349												
5-Jan-09	15	22,283	24.16	0.00	0.00	0.00	0.00	55.30	ND	ND	ND			
6-Jan-09	20	28,573												
7-Jan-09	26	37,218												
8-Jan-09	22	32,128		<u> </u>										
9-Jan-09	22	31,203												
10-Jan-09	16	22,692												
11-Jan-09	18	26,128												
12-Jan-09	17	24,493	12.46	0.00	0.00	0.00	0.00							
13-Jan-09	21	29,536												
14-Jan-09	22	31,439												
15-Jan-09	27	39,558												
16-Jan-09	18	26,338												
17-Jan-09	10	14,221												
18-Jan-09	21	30,668												
19-Jan-09	18	26,154	0.00	0.00	0.00	82.89	0.00	ND	ND					
20-Jan-09	23	32,677												
21-Jan-09	23	33,611												
22-Jan-09	34	48,583												
23-Jan-09	8	11,405								, , , , , , , , , , , , , , , , , , , ,				
24-Jan-09	38	54,526												
25-Jan-09	16	23,246												
26-Jan-09	17	24,670	0.00	0.00	0.00	19.34	0.00			_				
27-Jan-09	17	24,166												
28-Jan-09	22	32,239												
29-Jan-09	20	28,946				1								
30-Jan-09	29	41,132												
31-Jan-09	25	35,510												

VAN DE MARK CHEMICAL INC.JULY 2009 FLOWS AND ANALYTICAL

								Un	it 1		nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							
1-Jul-09	8	10,975								_				
2-Jul-09	8	10,930												
3-Jul-09	8	11,996												
4-Jul-09	10	13,763												
5-Jul-09	8	11,963												
6-Jul-09	29	41,675	11.82	139.03	24.68	26.07	83.42	3030.00	2800	13.9	13.4			
7-Jul-09	25	36,586												
8-Jul-09	16	23,448												
9-Jul-09	21	30,727												
10-Jul-09	8	11,534												
11-Jul-09	10	13,694												
12-Jul-09	8	11,889												
13-Jul-09	11	15,374	0.00	28.21	0.00	8.08	0.00							
14-Jul-09	26	37,814												
15-Jul-09	24	34,087												
16-Jul-09	12	17,778									l i			
17-Jul-09	12	16,621										•		
18-Jul-09	12	17,825												
19-Jul-09	9	12,354							-					
20-Jul-09	5	7,732	0.00	8.38	0.00	0.00	0.00	16.50	76.9	ND	ND			
21-Jul-09	13	18,534												
22-Jul-09	42	60,486												
23-Jul-09	11	15,244												
24-Jul-09	10	14,030												
25-Jul-09	18	25,603												
26-Jul-09	11	15,469												
27-Jul-09	34	49,204	0.00	0.00	0.00	102.59	0.00	ND	ND					
28-Jul-09	30	43,326												
29-Jul-09	21	30,634												
30-Jul-09	11	16,099												
31-Jul-09	7	9,898												

VAN DE MARK CHEMICAL INC.JUNE 2009 FLOWS AND ANALYTICAL

DATE								J 011	it 1	O,	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00				İ İ			
1-Jun-09	8	11,957	3.79	0.00	0.00	0.00	0.00	ND	ND					
2-Jun-09	16	23,498									1			
3-Jun-09	8	11,705												
4-Jun-09	17	24,208												
5-Jun-09	7	9,508										'		
6-Jun-09	4	6,245												
7-Jun-09	6	9,160												
8-Jun-09	13	18,156	0.00	0.00	0.00	60.57	0.00	9810.00	1800	ND	ND			
9-Jun-09	23	32,876												
10-Jun-09	16	22,629		-		·								
11-Jun-09	10	14,023												
12-Jun-09	20	29,346												
13-Jun-09	5	6,817												
14-Jun-09	4	6,406												
15-Jun-09	11	15,815	0.00	0.00	0.00	11.87	0.00	ND	ND					
16-Jun-09	8	11,749												
17-Jun-09	9	13,319								-				
18-Jun-09	10	14,484												
19-Jun-09	9	13,370												
20-Jun-09	7	9,427												
21-Jun-09	2	2,819												
22-Jun-09	14	20,166	0.00	38.68	0.00	0.00	0.00	ND	ND				*	
23-Jun-09	21	29,731												
24-Jun-09	23	33,197									i i			
25-Jun-09	20	28,254												
26-Jun-09	8	11,250			,									
27-Jun-09	8	11,280												
28-Jun-09	7	10,637												
29-Jun-09	14	19,854	1.99	134.12	4.97	5.80	15.57	ND	ND					
30-Jun-09	8	11,683												
	<u> </u>													

VAN DE MARK CHEMICAL INC.MARCH 2009 FLOWS AND ANALYTICAL

									it 1		nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/i	ppb	ppm	ppm	ppm
LIMIT		ļ	137.00	200.00	53.00	NA	199.00	·					ļ	l
1-Mar-09	20	28,338												
2-Mar-09	19	27,824	0.00	0.00	0.00	0.00	0.00	311.00	261	ND	ND			
3-Mar-09	20	28,128												
4-Mar-09	20	29,034												
5-Mar-09	20	28,380												
6-Mar-09	32	46,495												1
7-Mar-09	23	33,147					·							
8-Mar-09	16	23,067												
9-Mar-09	12	17,891	0.00	0.00	0.00	0.00	0.00							
10-Mar-09	8	12,059												
11-Mar-09	24	34,679												
12-Mar-09	12	17,820												
13-Mar-09	11	15,203												
14-Mar-09	10	14,625												
15-Mar-09	11	15,891												
16-Mar-09	10	14,040	0.00	0.00	0.00	0.00	0.00	ND	ND	ND	ND			
17-Mar-09	10	14,756												1
18-Mar-09	8	11,060												
19-Mar-09	9	13,221												
20-Mar-09	11	15,510												
21-Mar-09	7	9,729					·							
22-Mar-09	5	7,677		,										
23-Mar-09	5	7,566	0.00	0.00	0.00	0.00	0.00							
24-Mar-09	5	6,742												
25-Mar-09	6	8,850												
26-Mar-09	5	6,494												
27-Mar-09	12	17,022												
28-Mar-09	10	14,754												
29-Mar-09	10	14,430												
30-Mar-09	12	16,672												
31-Mar-09	9	13,308											,	

VAN DE MARK CHEMICAL INC.MAY 2009 FLOWS AND ANALYTICAL

DATE MAX Daily Flow GPM Hiday									Unit 1		Unit 2				
LIMIT	DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
T-May-09 11 18,356		Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
T-May-09 11 18,356	LIMIT			137.00	200.00	53.00	NA	199.00							ĺ
2-May-09		<u> </u>													
2-May-09	1-May-09	11	16,356		_ · _ · · · ·										
3-May-09		8	12,045												
4-May-09		8	12,132												
6-May-09 8 12,211		10	14,135	0.00	0.00	0.00	29.47	0.00							
7-May-09 7 10,262 8 11,833 8 9 9 11,0787 9 9 8 11,833 8 9 9 9 12,281 9 9 10 13,765 18-May-09 10 13,765 18-May-09 10 13,765 18-May-09 10 13,765 18-May-09 11 18,588 19-May-09 10 13,765 18-May-09 11 18,658 0.00 0.00 0.00 11,39 0.00 19-May-09 19 12,246 19-May-09 19 12,246 19-May-09 19 13,199 10 13,765 18-May-09 17 24,156 19-May-09 17 24,156 12-May-09 17 24,156 12-May-09 17 24,156 12-May-09 18 18,643 18,140 18-May-09 18 12,253 18-May-09 18 12,253 18-May-09 18 12,253 18-May-09 19 12,253	5-May-09	10	15,012						<250	21100	<250	4870			, and the second
8-May-09 8 11,833	6-May-09	8	12,211												
8-May-09 8 11,833 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,767 10,769 10,769 10,769 11,718 10,00	7-May-09	7	10,262												
10-May-09		8													
11-May-09 8 11,718 0.00 0.00 0.00 44.96 0.00 7.20 37.3 ND 40.1 13-May-09 13 18,758	9-May-09	7				İ									
12-May-09 13 18,758 7.20 37.3 ND 40.1 140.1 140.1 140.1 150.	10-May-09	6	8,214												1
12-May-09 13 18,758 7.20 37.3 ND 40.1 13-May-09 17 24,405 9 12,281 9 12,281 9 15-May-09 7 9,398 9 15-May-09 7 10,729 9 10 13,765 9 17-May-09 10 13,765 10,729 10 13,765 10 10 13,765 10 10 13,765 10 10 13,765 10 10 10 13,765 10 10 10 13,765 10 10 10 13,765 10	11-May-09	8	11,718	0.00	0.00	0.00	44.96	0.00							
14-May-09 9 12,281 15-May-09 7 9,398 16-May-09 7 10,729 17-May-09 7 10,729 10 13,765 18-May-09 10 13,765 18-May-09 12 16,658 0.00 0.00 11.39 0.00 19-May-09 12 16,658 0.00 0.00 11.39 0.00 10 11.39 0.00 10 11.39 0.00 10 11.39 0.00 10 11.39 0.00 11.39 0.00 11.39 0.00 11.39 0.00 11.39 0.00 0.0		13	18,758						7.20	37.3	ND	40.1			
15-May-09 7 9,398	13-May-09	17	24,405												
16-May-09 7 10,729 10 13,765 110 13,765 12 16,658 0.00 0.00 0.00 11.39 0.00 12 16,658 0.00 0.00 11.39 0.00 12 13,199 12 16,658 0.00 0.00 11.39 0.00 14.39 0.00 15 15 15 15 15 15 15 15 15 15 15 15 15	14-May-09		12,281												
17-May-09 10 13,765	15-May-09	7	9,398										-		
18-May-09 12 16,658 0.00 0.00 0.00 11.39 0.00 ND	16-May-09	7	10,729												
19-May-09 9 13,199 ND ND ND 20-May-09 16 22,486 Section 10	17-May-09		13,765												
20-May-09 16 22,486	18-May-09	12	16,658	0.00	0.00	0.00	11.39	0.00							
21-May-09 17 24,156	19-May-09	9	13,199						ND	ND					
22-May-09 13 18,643	20-May-09		22,486												
23-May-09 11 15,139	21-May-09	17	24,156												ĺ
24-May-09 9 13,035 0.00	22-May-09		18,643											~.	
25-May-09 7 9,688 5.17 0.00 0.00 0.00 0.00 0.00 26-May-09 13 18,140 ND ND ND 27-May-09 26 36,954 </td <td></td> <td></td> <td>15,139</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			15,139												
26-May-09 13 18,140 ND ND ND 27-May-09 26 36,954 </td <td>24-May-09</td> <td></td> <td>13,035</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	24-May-09		13,035												
27-May-09 26 36,954 <td></td> <td></td> <td></td> <td>5.17</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				5.17	0.00	0.00	0.00	0.00							
28-May-09 18 25,704 29-May-09 9 12,253 30-May-09 6 8,379									ND	ND					
29-May-09 9 12,253	27-May-09														
30-May-09 6 8,379	28-May-09		25,704												
	29-May-09														
31-May-09 7 10,713	30-May-09		8,379												
	31-May-09	7	10,713												

VAN DE MARK CHEMICAL INC. NOVEMBER 2009 FLOWS AND ANALYTICAL

								Uni	t 1	Ū	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/i	ug/l	ppb	ppm	ppm	ppm
LIMIT		ľ	137.00	200.00	53.00	NA	199.00	* 1			i i			
1-Nov-09	10	14,818											·	
2-Nov-09	18	26,094	15.23	200.21	34.82	0.00	104.46							
3-Nov-09	15	21,528												
4-Nov-09	17	24,007												
5-Nov-09	13	19,271												
6-Nov-09	9	12,958												
7-Nov-09	12	16,710				·								
8-Nov-09	8	11,536												
9-Nov-09	15	22,013	6,24	183,59	13.03	0.00	53.24	43.80	125	ND	ND			
10-Nov-09	17	24,029										···		
11-Nov-09	15	21,718												
12-Nov-09	11	16,175												
13-Nov-09	7	10,510												
14-Nov-09	10	13,875												
15-Nov-09	10	13,848												
16-Nov-09	12	17,545	3.66	133.16	59.99	0.00	19.02	3390.00	9440	ND	ND			
17-Nov-09	13	19,381										· · · · · · · · · · · · · · · · · ·		
18-Nov-09	14	20,283												
19-Nov-09	15	21,534												
20-Nov-09	14	20,246												
21-Nov-09	11	16,365		-			····							
22-Nov-09	8	11,029												
23-Nov-09	9	13,301	51.03	3.88	144.21	113.15	0.00	57200.00	22700	9.72	186			
24-Nov-09	8	12,138												
25-Nov-09	3	3,711												
26-Nov-09	3	4,834												
27-Nov-09	8	10,824					· · · · · · · · · · · · · · · · · · ·							
28-Nov-09	5	7,075												
29-Nov-09	4	5,734												
30-Nov-09	11	15,860	17.20	0.00	0.00	88.62	0.00							
				· ·		-				······				

VAN DE MARK CHEMICAL INC. OCTOBER 2009 FLOWS AND ANALYTICAL

								Un	it 1	Uı	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	ĺ		137.00	200.00	53.00	NA	199.00							
1-Oct-09	12	17,808												
2-Oct-09	9	12,920												
3-Oct-09	11	15,585												
4-Oct-09	12	16,980												
5-Oct-09	13	19,262	0.00	0.00	0.00	16.06	0.00							
6-Oct-09	20	29,413												
7-Oct-09	20	28,956												
8-Oct-09	9	12,537												
9-Oct-09	7	10,654												
10-Oct-09	9	12,497												
11-Oct-09	2	3,276												
12-Oct-09	21	30,018	0.00	0.00	28.04	17.02	0.00	3600.00	ND	14.2	ND			
13-Oct-09	12	17,196												
14-Oct-09	12	17,320									·			
15-Oct-09	10	15,118												. · · · · · ·
16-Oct-09	10	13,849												
17-Oct-09	9	12,256												
18-Oct-09	7	10,753							,			······································		
19-Oct-09	13	18,324	0.00	0.00	0.00	0.00	0.00	8.40	ND	ND	ND			
20-Oct-09	15	21,077										· · · · · · · · · · · · · · · · · · ·		
21-Oct-09	13	19,355												
22-Oct-09	10	15,001		,	, .								7.	
23-Oct-09	7	10,156												
24-Oct-09	5	7,361									· · · · · · · · · · · · · · · · · · ·			
25-Oct-09	12	17,230												
26-Oct-09	15	21,696	101.33	0.00	0.00	5.79	0.00	9.70	ND	ND	ND			
27-Oct-09	14	20,715												
28-Oct-09	15	22,070												
29-Oct-09	12	17,095												******
30-Oct-09	12	17,971												
31-Oct-09	11	15,620					,					-		· w - w
		1												

VAN DE MARK CHEMICAL INC. SEPTEMBER 2009 FLOWS AND ANALYTICAL

DATE MAX Daily Flow GPM LIMIT Widay	,
LIMIT	in HEPP
1-Sep-09	ppm
2-Sep-09	
2-Sep-09	
3-Sep-09 52 74,652	
4-Sep-09 5 6,675 5-Sep-09 30 43,312 6-Sep-09 9 13,383 7-Sep-09 8 11,716 0.00 0.00 0.00 0.00 8-Sep-09 15 22,280 9-Sep-09 15 22,280 9-Sep-09 17 23,942 9-Sep-09 17 23,942 11-Sep-09 17 23,942 11-Sep-09 18 26,050 12-Sep-09 19 27,926 13-Sep-09 19 27,570 0.00 252.92 0.00 64.38 6.90 ND 220 ND 12.6 15-Sep-09 19 27,570 0.00 252.92 0.00 64.38 6.90 ND 220 ND 12.6 15-Sep-09 19 27,570 0.00 252.92 0.00 64.38 6.90 ND 220 ND 12.6 15-Sep-09 19 27,163 19.91 19.52 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01	
5-Sep-09 30 43,312	
6-Sep-09 9 13,383	
7-Sep-09 8 11,716 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	
8-Sep-09 15 22,280 9-Sep-09 21 30,946 1	
9-Sep-09 21 30,946	
10-Sep-09 17 23,942	
11-Sep-09 18 26,050	
12-Sep-09 19 27,926	
13-Sep-09 24 35,050 0.00 252.92 0.00 64.38 6.90 ND 220 ND 12.6 15-Sep-09 14 19,919 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 12.6 0.00 <td></td>	
14-Sep-09 19 27,570 0.00 252.92 0.00 64.38 6.90 ND 220 ND 12.6 15-Sep-09 14 19,919 <	
15-Sep-09 14 19,919	
16-Sep-09 19 27,163	
17-Sep-09 20 29,010	
18-Sep-09 14 20,316	
19-Sep-09 13 19,015	
20-Sep-09 12 16,837 0.00 108.92 0.00 0.00 60.37 14.60 142 ND 17.1 21-Sep-09 13 18,034 0.00 0.00 60.37 14.60 142 ND 17.1 23-Sep-09 15 21,876 0.00 0.00 0.00 60.37 14.60 142 ND 17.1 24-Sep-09 15 21,876 0.00 0.00 60.37 14.60 142 ND 17.1 24-Sep-09 13 19,036 0.00 0.00 60.37 14.60 142 ND 17.1 25-Sep-09 12 17,371 0.00 0.00 60.37 14.60 142 ND 17.1 26-Sep-09 9 13,326 0.00 0.00 60.37 14.60 142 ND 17.1 25-Sep-09 12 17,371 0.00 0.00 0.00 60.37 14.60 142 ND 17.1 26-Sep-09 9 13,326 0.00 0.00 0.00 0.00 60.37<	
21-Sep-09 11 15,735 0.00 108.92 0.00 0.00 60.37 14.60 142 ND 17.1 22-Sep-09 13 18,034 3 4 3 3 4 3 3	
22-Sep-09 13 18,034	
23-Sep-09 15 21,876 24-Sep-09 13 19,036 25-Sep-09 12 17,371 26-Sep-09 9 13,326	
24-Sep-09 13 19,036 25-Sep-09 12 17,371 26-Sep-09 9 13,326	
25-Sep-09 12 17,371 26-Sep-09 9 13,326	
25-Sep-09 12 17,371 26-Sep-09 9 13,326	
26-Sep-09 9 13,326	
27-Sep-09 12 17.147	
28-Sep-09 17 24,046 0.00 26.07 100.27 0.00 24.06 ND 151 ND 24.6	
29-Sep-09 15 21,121	
30-Sep-09 13 18,941	

								Un	it 1	Ui	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							
1-Apr-10	11	15,531												
2-Apr-10	8	11,546												
3-Apr-10	7	9,826												<u> </u>
4-Apr-10	7	9,862										,		
5-Apr-10	13	18,158	0.00	0.00	0.00	6.21	0.00							
6-Apr-10	20	28,205												
7-Apr-10	22	31,256												
8-Apr-10	14	20,330												
9-Apr-10	14	20,763												
10-Apr-10	9	13,423												
11-Apr-10	9	12,262												
12-Apr-10	12	16,645	0.00	0.00	0.00	104.11	0.00	6.21	77.2	ND	ND			
13-Apr-10	15	21,040												
14-Apr-10	19	27,191									[
15-Apr-10	11	15,784												
16-Apr-10	11	16,011												
17-Apr-10	9	13,510										· ******		
18-Apr-10	12	17,408							*****					1
19-Apr-10	21	29,965	0.00	0.00	0.00	6.50	0.00							
20-Apr-10	19	27,678												
21-Apr-10	19	27,233												
22-Apr-10	13	19,189									····		-	
23-Apr-10	14	20,244												
24-Apr-10	9	13,478												
25-Apr-10	16	22,663												
26-Apr-10	17	24,168	0.00	0.00	0.00	0.00	0.00	1100.00	2210	93.36	42			
27-Apr-10	20	29,027												
28-Apr-10	20	28,420												
29-Apr-10	20	28,575										·		
30-Apr-10	14	20,507												
												<u> </u>		
	·	'									<u> </u>			

VAN DE MARK CHEMICAL INC. AUGUST 2010 FLOWS AND ANALYTICAL

								Unit	1		nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							
·														
1-Aug-10	12	17,867												
2-Aug-10	14	20,214	0.00	131.49	7.42	10.79	0.00	668	12700	ND	ND			
3-Aug-10	20	28,610										· · · · · · · · · · · · · · · · · · ·		
4-Aug-10	20	28,344												
5-Aug-10	20	29,080						·						
6-Aug-10	17	24,598												
7-Aug-10	17	24,954												
8-Aug-10	14	20,235												
9-Aug-10	16	23,399	5.85	105.38	29.27	0.00	25.37			·				
10-Aug-10	18	26,201						Tables of						
11-Aug-10	18	26,010						·						
12-Aug-10	17	24,263												
13-Aug-10	16	22,721												
14-Aug-10	14	19,739												
15-Aug-10	13	18,835										 		
16-Aug-10	20	29,005	44.27	70.15	155.79	0.00	40.88				1			
17-Aug-10	27	38,929						·]			
18-Aug-10	23	33,002									i i			
19-Aug-10	21	29,543		***							1			
20-Aug-10	20	29,217												
21-Aug-10	17	24,865									· 1			
22-Aug-10	19	27,259					***************************************						* .	
23-Aug-10	23	32,570	0.00	0.00	84.21	17.38	0.00							
24-Aug-10	27	39,212						·······						
25-Aug-10	16	23,469												
26-Aug-10	16	22,745												
27-Aug-10	12	16,836												
28-Aug-10	15	21,635			-				·	•				
29-Aug-10	13	18,469											·· · · · · · · · · · · · · · · · · · ·	
30-Aug-10	14	19,626	0.00	0.00	47.47	0.00	0.00	218000	11000	130	629	· · · · · · · · · · · · · · · · · · ·		
31-Aug-10	14	19,479									i i			
		<u> </u>												

VAN DE MARK CHEMICAL INC. DECEMBER 2010 FLOWS AND ANALYTICAL

								Unit	1	Ui	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	İ		137.00	200.00	53.00	NA	199.00]]		ļ			İ
													_	
1-Dec-10	23	33,435							i I		1			
2-Dec-10	18	26,257				[(
3-Dec-10	10	14,463												1
4-Dec-10	14	20,359												
5-Dec-10	16	23,438												
6-Dec-10	16	22,399	0.00	16.81	0.00	18.68	0.00	49050	36525	ND	ND			
7-Dec-10	17	24,258												
8-Dec-10	12	17,443												
9-Dec-10	18	25,811												
10-Dec-10	15	22,000	,											1
11-Dec-10	16	22,550												
12-Dec-10	10	14,274												
13-Dec-10	20	29,293	0.00	0.00	0.00	0.00	0.00							1
14-Dec-10	18	26,425												
15-Dec-10	18	25,284												
16-Dec-10	13	19,391												
17-Dec-10	12	17,874												
18-Dec-10	12	17,253		_										
19-Dec-10	13	18,071												
20-Dec-10	14	19,444	0.00	0.00	0.00	64.87	0.00							
21-Dec-10	14	20,770												
22-Dec-10	11	15,927												
23-Dec-10	10	14,758												
24-Dec-10	8	11,785												
25-Dec-10	8	12,237												L
26-Dec-10	9	12,899												
27-Dec-10	9	12,349	0.00	0.00	0.00	19.57	0.00							
28-Dec-10	8	11,267												
29-Dec-10	12	16,614												
30-Dec-10	14	20,291												<u> </u>
31-Dec-10	12	17,953												

								Un	it 1	Uı	nit 2		_	
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
]	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00			_				
1-Feb-10	11	15,185	0.00	291.28	0.00	0.00	79.79	969.00	2860	ND	6.41			
2-Feb-10	31	44,161									ļ			
3-Feb-10	17	24,687											_	
4-Feb-10	13	18,316												
5-Feb-10	11	15,409												
6-Feb-10	11	15,224												
7-Feb-10	11	15,491												
8-Feb-10	15	21,746	0.00	217.64	96.12	0.00	68.92							
9-Feb-10	16	22,737												
10-Feb-10	17	25,039												
11-Feb-10	15	20,983												
12-Feb-10	15	21,177												
13-Feb-10	13	18,130												
14-Feb-10	12	17,065												
15-Feb-10	10	13,945	0.00	0.00	32.57	0.00	8.02	ND	15720	ND	10.9			
16-Feb-10	14	20,839												
17-Feb-10	10	13,753												
18-Feb-10	13	19,037												
19-Feb-10	12	16,790												
20-Feb-10	7	10,281												
21-Feb-10	7	10,571												
22-Feb-10	12	17,379	0.00	0.00	31.89	0.00	0.00						,	
23-Feb-10	12	16,802												
24-Feb-10	12	16,566												
25-Feb-10	10	14,533												
26-Feb-10	10	14,769												
27-Feb-10	10	14,352												
28-Feb-10	14	20,633												

DATE MAX Daily Flow GPM Hiday									Uni	it 1	Uı	nit 2			
LIMIT	DATE	MAX Daily	GPD							Toluene	MCB		SBOH	Icaridin	HEPP
1-Jan-10		Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
2-Jan-10 9 13,204	LIMIT	İ	1	137.00	200.00	53.00	NA	199.00							
2-Jan-10 9 13,204															
3-Jan-10 9 12,501 0.0 0.00 5.22 0.00 0.00 131000 21300 ND ND 5.Jan-10 10 14,891 0.00 0.00 5.22 0.00 0.00 131000 21300 ND ND 5.Jan-10 15 20,943	1-Jan-10	9	13,477												
4-Jan-10 10 14,891 0.00 0.00 5.22 0.00 0.00 131000 21300 ND ND 5-Jan-10 15 20,943 15 23,578 16 23,578 17,716 18<			13,204												
6-Jan-10 15 20,943	3-Jan-10		12,501												
6-Jan-10 16 23,578	4-Jan-10		14,891	0.00	0.00	5.22	0.00	0.00	131000	21300	ND	ND			
7-Jan-10 12 17,716	5-Jan-10		20,943												
8-Jan-10 10 13,693	6-Jan-10		23,578												
9-Jan-10 9 13,229	7-Jan-10	12	17,716												
10-Jan-10 9 13,025 0 0.00 0.00 0.00 0.00 0.00 0.00 1 0.00 1 1 1 1															
11-Jan-10	9-Jan-10		13,229												
12-Jan-10 12 17,595	10-Jan-10		13,025												
13-Jan-10 12 17,926 ————————————————————————————————————	11-Jan-10	11	15,861	0.00	0.00	0.00	0.00	0.00							
14-Jan-10 9 13,572 ————————————————————————————————————	12-Jan-10	12	17,595												
15-Jan-10	13-Jan-10	12	17,926		·										
16-Jan-10	14-Jan-10	9	13,572												
17-Jan-10	15-Jan-10	14	19,779												
18-Jan-10 14 19,518 0.00 0.00 0.00 0.00 7.18 25.90 ND ND 19-Jan-10 12 17,300 <td< td=""><td>16-Jan-10</td><td>11</td><td>15,473</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td></td<>	16-Jan-10	11	15,473									1			
19-Jan-10	17-Jan-10	11	16,246												
20-Jan-10 10 14,785	18-Jan-10	14	19,518	0.00	0.00	0.00	0.00	0.00	7.18	25.90	ND	ND			
21-Jan-10 6 8,379 <	19-Jan-10	12	17,300												
22-Jan-10 8 11,698 ————————————————————————————————————	20-Jan-10	10	14,785		· ·						·				
23-Jan-10 10 15,031	21-Jan-10	6	8,379												
24-Jan-10 11 15,576 ————————————————————————————————————	22-Jan-10		11,698											*. •	
25-Jan-10 18 26,042 0.00 62.99 0.00 0.00 0.00 0.00 26-Jan-10 15 20,994 0.00<	23-Jan-10		15,031												,
26-Jan-10 15 20,994	24-Jan-10		15,576												
27-Jan-10 11 16,044 28-Jan-10 12 17,358 29-Jan-10 8 11,788 30-Jan-10 8 11,415	25-Jan-10		26,042	0.00	62.99	0.00	0.00	0.00							
28-Jan-10 12 17,358	26-Jan-10	15	20,994												
29-Jan-10 8 11,788 30-Jan-10 8 11,415	27-Jan-10	11	16,044												
30-Jan-10 8 11,415	28-Jan-10	12	17,358												
	29-Jan-10	8	11,788												
	30-Jan-10	8	11,415												
	31-Jan-10	9													

								Un	it 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT		1	137.00	200.00	53.00	NA	199.00							
	1													
1-Jul-10	19	26,856												
2-Jul-10	18	25,850												
3-Jul-10	13	18,525												·
4-Jul-10	9	12,488								-				
5-Jul-10	8	12,115	3.03	0.00	4.45	0.00	0.00	ND	21300	78.6	125			
6-Jul-10	34	48,846												
7-Jul-10	53	76,257												
8-Jul-10	18	25,630												
9-Jul-10	17	24,053												
10-Jul-10	12	17,351												
11-Jul-10	13	19,155												
12-Jul-10	18	25,761	98.83	0.00	0.00	34.38	0.00							
13-Jul-10	15	21,664										-		
14-Jul-10	20	29,056												
15-Jul-10	15	21,379												
16-Jul-10	11	15,881												
17-Jul-10	9	12,655												
18-Jul-10	8	11,133												
19-Jul-10	17	24,104	54.28	0.00	0.00	0.00	0.00	ND	831	40.2	33.3			
20-Jul-10	17	25,074												
21-Jul-10	16	23,154												
22-Jul-10	17	24,522	•										·	
23-Jul-10	19	27,250												
24-Jul-10	15	22,041												•
25-Jul-10	16	22,818												
26-Jul-10	17	24,176	0.00	0.00	0.00	0.00	0.00							
27-Jul-10	18	26,534												
28-Jul-10	19	27,505												
29-Jul-10	18	26,021												
30-Jul-10	17	25,008												
31-Jul-10	14	19,730												
										················				

								Uni	t 1	Uı	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	1		137.00	200.00	53.00	NA	199.00		·		i		1 1	
1-Jun-10	20	29,371		· · · · · · · · · · · · · · · · · · ·		-				<u> </u>				
2-Jun-10	19	27,587			_	-								
3-Jun-10	17	24,981												
4-Jun-10	13	18,137												
5-Jun-10	7	10,620												
6-Jun-10	13	18,414												
7-Jun-10	10	14,498	0.00	0.00	38.69	2176.44	0.00							
8-Jun-10	10	14,643												
9-Jun-10	13	18,469												
10-Jun-10	13	18,663												
11-Jun-10	11	15,967												
12-Jun-10	15	22,183				. 157								
13-Jun-10	13	19,005												
14-Jun-10	14	19,605	0.00	0.00	7.36	57.23	0.00	27900.00	101000	40.5	64.2			
15-Jun-10	18	25,405								-				
16-Jun-10	17	23,761												
17-Jun-10	18	25,548												
18-Jun-10	11	16,537												
19-Jun-10	6	8,461												
20-Jun-10	7	9,635												
21-Jun-10	11	16,400	930.08	0.00	9.98	3.69	0.00	2180.00	43000	ND	671			
22-Jun-10	14	20,059												
23-Jun-10	15	21,856												
24-Jun-10	17	24,207												
25-Jun-10	8	11,947												
26-Jun-10	13	19,228												
27-Jun-10	14	19,639												
28-Jun-10	21	30,848	46.31	0.00	0.00	13.89	0.00							
29-Jun-10	22	31,273												
30-Jun-10	16	22,582			**									
		599,531												

VAN DE WARK CHEMICAL INC. MARCH 2010 FLOWS AND ANALYTICAL

								Un	it 1	Uı	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT		ŀ	137.00	200.00	53.00	NA	199.00] [İ İ			
1-Mar-10	18	25,868	0.00	0.00	0.00	21.57	0.00	ND	ND					
2-Mar-10	13	18,960												
3-Mar-10	12	17,468												
4-Mar-10	12	17,101						-		-				
5-Mar-10	10	14,181												
6-Mar-10	9	13,320												
7-Mar-10	9	13,315												
8-Mar-10	13	18,346	0.00	0.00	0.00	0.00	0.00							
9-Mar-10	12	17,746												
10-Mar-10	16	22,938												
11-Mar-10	16	23,389									1			
12-Mar-10	14	20,563												
13-Mar-10	11	15,277												
14-Mar-10	12	16,947			[
15-Mar-10	14	19,642	0.00	0.00	0.00	9.83	0.00	88.10	176	ND	8.07			
16-Mar-10	14	19,479												
17-Mar-10	11	16,468												
18-Mar-10	9	13,241												
19-Mar-10	11	15,129												
20-Mar-10	8	11,222												
21-Mar-10	9	12,266												
22-Mar-10	10	14,818	0.00	0.00	5.93	0.00	0.00							
23-Mar-10	15	21,061												
24-Mar-10	15	21,149						· · · · · · · · · · · · · · · · · · ·						
25-Mar-10	13	19,093												
26-Mar-10	10	13,930												
27-Mar-10	8	11,257												
28-Mar-10	9	12,275												
29-Mar-10	16	22,837	0.00	0.00	0.00	34.28	0.00	5.30	39	ND	6.29			
30-Mar-10	13	18,261												
31-Mar-10	14	20,226												
														i

								Un	it 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	ľ		137.00	200.00	53.00	NA I	199.00					1		
														
1-May-10	16	23,688												
2-May-10	17	23,810									i i	-		
3-May-10	16	22,523	0.00	0.00	12.02	0.00	0.00							
4-May-10	19	27,281												
5-May-10	13	18,048												
6-May-10	4	5,937				1				-!!-				
7-May-10	11	16,141												
8-May-10	18	25,419												
9-May-10	62	89,662												
10-May-10	10	13,956	0.00	0.00	0.00	9.09	0.00	29.50	ND	ND	ND			
11-May-10	9	12,561												
12-May-10	19	26,663												
13-May-10	21	29,947												
14-May-10	13	19,007												
15-May-10	19	27,038												
16-May-10	12	17,550												
17-May-10	12	17,034	0.00	44.75	12.00	0.00	13.57							,
18-May-10	15	20,956												
19-May-10	11	16,398												
20-May-10	8	11,737												
21-May-10	7	10,047												
22-May-10	8	11,365											-	
23-May-10	11	16,387												
24-May-10	15	21,640	0.00	72.19	0.00	5.78	13.90	25.90	ND	5.7	ND			
25-May-10	23	33,678]]			
26-May-10	15	21,501												
27-May-10	14	20,156												
28-May-10	14	19,528												
29-May-10	14	19,607												
30-May-10	14	20,304												
31-May-10	14	20,846												

VAN DE WARK CHEMICAL INC.NOVEMBER 2010 FLOWS AND ANALYTICAL

								Uni	t 1	U	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM	·	#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00				l			i
														
1-Nov-10	14	20,409	0.00	221.28	0.00	0.00	80.00							
2-Nov-10	18	25,550										1.4.1127.117		
3-Nov-10	24	34,945												
4-Nov-10	16	22,495												
5-Nov-10	20	28,397												
6-Nov-10	19	28,069												
7-Nov-10	19	27,611												i
8-Nov-10	12	17,021	0.00	18.45	42.59	0.00	61.04							
9-Nov-10	18	25,895												
10-Nov-10	19	27,270												
11-Nov-10	20	28,456												
12-Nov-10	17	24,678												
13-Nov-10	14	19,725												
14-Nov-10	14	20,438						•						
15-Nov-10	14	19,708	0.00	0.00	0.00	0.00	0.00							
16-Nov-10	14	20,302												<u> </u>
17-Nov-10	24	34,108												
18-Nov-10	17	24,149												
19-Nov-10	13	18,813												
20-Nov-10	8	11,367												
21-Nov-10	6	8,948						•						
22-Nov-10	7	9,590	0.00	0.00	25.59	0.00	0.00	ND	5590	55.9	ND			İ
23-Nov-10	12	16,585												
24-Nov-10	10	14,693												
25-Nov-10	9	12,867												
26-Nov-10	10	14,906												
27-Nov-10	11	15,456												
28-Nov-10	9	13,133												
29-Nov-10	14	20,565	0.00	0.00	13.72	0.00	0.00							
30-Nov-10	15	21,081												

VAN DE WARK CHEMICAL INC. OCTOBER 2010 FLOWS AND ANALYTICAL

								Unit	1	Ur	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	1		137.00	200.00	53.00	NA	199.00							ĺ
				·										
1-Oct-10	53	76,072												
2-Oct-10	59	84,400												
3-Oct-10	54	78,305												
4-Oct-10	54	78,473	0.00	0.00	0.00	0.00	0.00							
5-Oct-10	54	77,660	<u> </u>											l
6-Oct-10	38	55,226								-				
7-Oct-10	57	81,901												
8-Oct-10	48	68,830												
9-Oct-10	8	11,060												
10-Oct-10	7	9,953										•		
11-Oct-10	1	1,057	0.00	0.00	0.00	0.00	0.00	155	244	143	45.3			
12-Oct-10	9	12,913												
13-Oct-10	10	14,538												
14-Oct-10	7	9,470												
15-Oct-10	9	13,506					-							
16-Oct-10	11	15,165								*******			V-4.	
17-Oct-10	13	18,770										***************************************		
18-Oct-10	20	28,663	0.00	0.00	0.00	0.00	0.00	ND	ND		·			
19-Oct-10	17	24,818						1						
20-Oct-10	16	23,479										******		
21-Oct-10	15	21,492								·				[
22-Oct-10	10	14,613		-							···			
23-Oct-10	10	13,970									· · · · · · · · · · · · · · · · · · ·			
24-Oct-10	14	20,118						<u> </u>						
25-Oct-10	19	26,694	0.00	267.16	12.47	8.91	14.25	51300	8890	520	158			
26-Oct-10	16	23,167												
27-Oct-10	15	21,193								***				
28-Oct-10	15	21,155												
29-Oct-10	14	19,478	1					<u> </u>						
30-Oct-10	10	14,570												Í
31-Oct-10	14	20,367										-		
	 													

VAN DE WARK CHEMICAL INC. SEPTEMBER 2010 FLOWS AND ANALYTICAL

								Unit			nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53.00	NA	199.00							
1-Sep-10	20	29,149												
	17	29,149							ļ					
2-Sep-10	21		 											
3-Sep-10	18	30,832							ļ					
4-Sep-10		26,142												
5-Sep-10	11	15,780	0.00		0.00	0.00	2.00							
6-Sep-10	14	20,298	0.00	0.00	0.00	0.00	0.00							ļ
7-Sep-10	19	27,562												
8-Sep-10	22	31,387												
9-Sep-10	22	31,008												
10-Sep-10	21	30,327												
11-Sep-10	15	22,201												
12-Sep-10	18	25,456												
13-Sep-10	15	21,875	0.00	0.00	0.00	0.00	0.00	1140	147	1160	151			
14-Sep-10	23	32,864												
15-Sep-10	23	33,782										•		
16-Sep-10	15	22,226												,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
17-Sep-10	14	20,518												
18-Sep-10	10	14,449								•				
19-Sep-10	13	18,282												
20-Sep-10	13	18,295	0.00	0.00	0.00	0.00	0.00							
21-Sep-10	13	18,161												
22-Sep-10	13	19,167												
23-Sep-10	12	16,869	<u> </u>											
24-Sep-10	13	18,034	-											
25-Sep-10	8	11,869									· ·			<u> </u>
26-Sep-10	17	24,737				 								
27-Sep-10	67	97,068	30.76	0.00	0.00	0.00	0.00	4550.00	381	1.67	89.8		 	l
28-Sep-10	64	92,563	00.70	0.00	0.00	 	0.00	.000.00					 	· ·
29-Sep-10	58	83,831				 							-	
30-Sep-10		00,001	 			-							 	
30-3ep-10	 	+										-		
			 										 	

VAN C

K CHEMICAL INC. JANUARY 2012 FLOWS AND ANALYTICAL

									nit 1		Unit 2	L		
DATE	MAX Daily	GPD	DEA	POH		Methanol	NBA	МСВ	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
i	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT			137.00	200.00	53,00	NA NA	199.00							
1-Jan-12	13	18,133												<u> </u>
2-Jan-12	14	20,720	5.88	123.56	0.00	0.00	25.92			 		 		
3-Jan-12	15	21,524	3,00	120,00	0.00	0.00	25.52	134.00	23900.00	0.00	17.60			
4-Jan-12	10	15,013				 		104.00	20000.00	0.00	17.00	 		
5-Jan-12	18	25,723				 								
6-Jan-12	17	24,061												
7-Jan-12	16	22,405												
8-Jan-12	15	21,672		 		 								
9-Jan-12	16	22,398	0.00	100.87	12.70	0.00	63.51			_				<u> </u>
10-Jan-12	15	21,388	0.00	100.07	12	0.00	- 00.01							
11-Jan-12	16	22,491												
12-Jan-12	20	28,870					_							
13-Jan-12	13	18,173												
14-Jan-12	17	24,591										·		
15-Jan-12	14	19,779												
16-Jan-12	9	12,480	0.00	44.76	38.51	0.00	22.90	299.00	2160.00	1820.00	532.00			
17-Jan-12	20	28,320												
18-Jan-12	28	40,982												
19-Jan-12	20	28,475												
20-Jan-12	20	28,127												
21-Jan-12	12	17,836												·
22-Jan-12	11	15,679												
23-Jan-12	24	34,955	0.00	52.47	0.00	34.98	26.24							
24-Jan-12	24	34,006												
25-Jan-12	10	13,977												
26-Jan-12	10	14,484												
27-Jan-12	21	30,247												
28-Jan-12	17	24,944												
29-Jan-12	14	19,522												
30-Jan-12	13	19,016												
31-Jan-12	23	33,417	0.00	0.00	0.00	16.72	0.00	256,00	43.50	0.00	0.00			

						Un	it 1		it 2			
Γ	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
	- '			- /	- '	- '		-				
1-Jan-12												
2-Jan-12	34	715	0	0	150							
3-Jan-12						134	23900	0	17.6			
4-Jan-12												
5-Jan-12												
6-Jan-12												
7-Jan-12												
8-Jan-12												
9-Jan-12	0	540	68	0	340							
10-Jan-12												
11-Jan-12												
12-Jan-12												
13-Jan-12												
14-Jan-12												
15-Jan-12												
16-Jan-12	0	430	370	0	220	299	2160	1820	532			
17-Jan-12												
18-Jan-12												
19-Jan-12												
20-Jan-12												
21-Jan-12												
22-Jan-12	_		_									
23-Jan-12	0	180	0	120	90							
24-Jan-12												
25-Jan-12												
26-Jan-12												
27-Jan-12												
28-Jan-12												
29-Jan-12												
30-Jan-12	_	-	_		_			_	_			
31-Jan-12	0	0	0	60	0	256	43.5	٥	٥			

n Page 1

VAN DE MARK CHEMICAL INC. FEBRUARY 2012 FLOWS AND ANALYTICAL

								Uni	t 1	Uı	nit 2			
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	SBOH	Icaridin	HEPP
	Flow GPM	1 1	#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	1		137.00	200.00	53.00	NA	199.00							
1-Feb-12	20	29,500												
2-Feb-12	18	25,344												
3-Feb-12	16	22,472												
4-Feb-12	14	19,997												
5-Feb-12	13	18,849												
6-Feb-12	17	24,234	0.00	0.00	0.00	0.00	0.00							
7-Feb-12	19	27,163												
8-Feb-12	15	21,159												
9-Feb-12	12	17,121												
10-Feb-12	13	18,973												
11-Feb-12	13	18,715		,										
12-Feb-12	13	18,356												
13-Feb-12	11	16,250	0.00	0.00	0.00	6.64	0.00						<u></u>	
14-Feb-12	10	14,942						0.00	0.00	0.00	0.00			<u></u>
15-Feb-12	16	22,691												
16-Feb-12	16	22,324												
17-Feb-12	20	28,163												
18-Feb-12	17	23,769												L
19-Feb-12	12	16,954												
20-Feb-12	11	16,448	0.00	0.00	0.00	0.00	0.00							
21-Feb-12	9	13,615											L	
22-Feb-12	17	24,602											L	
23-Feb-12	15	21,562												
24-Feb-12	16	23,732												
25-Feb-12	29	42,230												
26-Feb-12	20	28,623												
27-Feb-12	6	9,128	0.00	0.00	0.00	23.60	0.00							
28-Feb-12	14	20,758						0.00	0.00	45.90	11.20			
29-Feb-12	14	20,480												

									Un	it 1	Τ	Un	it 2	٦				
	DEA	T	POH	T	PNBC	Methanol	NBA	MC	В	Toluene		MCB	Toluene		SBOH	Icaridin	HEPF	5
	mg/L		mg/L		mg/L	mg/L	mg/L	ug/	1	ug/l		ug/i	ppb		ppm	ppm	ppm	
1-Feb-12 2-Feb-12 3-Feb-12 4-Feb-12 5-Feb-12 7-Feb-12 8-Feb-12 9-Feb-12 10-Feb-12		O	C)	0	0	0											
12-Feb-12 13-Feb-12 14-Feb-12 15-Feb-12 16-Feb-12 17-Feb-12	,	0	0)	0	49	0		0		0	0		0				
18-Feb-12 19-Feb-12 20-Feb-12 21-Feb-12 22-Feb-12 23-Feb-12 24-Feb-12	(0	0)	0	0	0											
25-Feb-12 26-Feb-12 27-Feb-12 28-Feb-12 29-Feb-12	(0	0	١	0	310	0		0	. (0	45.9	11.	2				

								Ur	rit 1		Unit 2	1		
DATE	MAX Daily	GPD	DEA	POH		Methanol		MCB	Toluene	MCB	Toluene	SBOH	Icaridin	1
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	ppm	ppm	ppm
LIMIT	<u> </u>		137.00	200.00	53.00	NA NA	199.00		<u> </u>				i	
1-Mar-12	17	25,057].		j
2-Mar-12	17	24,233				1			<u></u>					
3-Mar-12	19	26,805												
4-Mar-12	17	23,995												
5-Mar-12	12	17,712	0.00	0.00	0.00	10.64	0.00		1					
6-Mar-12	23	32,807												
7-Mar-12	24	35,154			L									
8-Mar-12	20	29,298												
9-Mar-12	18	25,354				1								
10-Mar-12	18	25,994												
11-Mar-12	16	23,178							1					-
12-Mar-12	20	28,109												
13-Mar-12	16	23,204	0.00	0.00	0.00	38.12	0,00	0.00	0.00	0.00	0.00			
14-Mar-12	14	20,878												
15-Mar-12	15	22,192												
16-Mar-12	21	30,521												
17-Маг-12	19	27,240				1								
18-Mar-12	17	24,859												
19-Mar-12	24	34,529	0.00	120.95	0.00	69.11	23.33							
20-Mar-12	26	38,130												Ĺ
21-Mar-12	25	35,806				l. i								
22-Mar-12	22	32,086												1
23-Mar-12	16	22,776												
24-Mar-12	8	12,096		·										
25-Mar-12	12	16,659		i —										
26-Mar-12	17	24,714	0.00	90.69	0.00	72.14	26.80							
27-Mar-12	30	42,988						560.00	0.00	28.30	33.10			L
28-Mar-12	29	42,062												
29-Mar-12	17	24,447												
30-Mar-12	11	15,648												
31-Mar-12	11	15.807												

Carbon	peds	char	igea
Wwfmodoldata	Product	oniPt-16	data/8

						Un	it 1	Un	it 2	1			
Г	DEA	NBA	Methanol	POH	PNBC	Toluene	MCB	Toluene	MCB	SBOH	Icaridin	HEPP	1
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ppb	ug/l	ppm	ppm	ppm	
1-Mar-12								- '']
2-Mar-12													}
3-Mar-12]
4-Mar-12								1					
5-Mar-12	0	0	72	0	0								1
6-Mar-12													1
7-Mar-12			i										Changed carbon bed
8-Mar-12											T		1
9-Mar-12													7
10-Mar-12													1
11-Mar-12													1
12-Mar-12													1
13-Mar-12	0	0	197	0	0	0	0	0	0				1
14-Mar-12													1
15-Mar-12													1
16-Mar-12													7
17-Mar-12													1
18-Mar-12													1
19-Mar-12	0	81	240	420	0			l .			1.		Changed carbon bed
20-Mar-12											1		1 -
21-Mar-12													1
22-Mar-12			——										1
23-Mar-12													7
24-Mar-12								1					1
25-Mar-12													1
26-Mar-12	0	130	350	440	0			-					1
27-Mar-12						0	560	33.1	28.3				
28-Mar-12													1
29-Mar-12													1
30-Mar-12											1		Changed carbon bed
31-Mar-12					-						1		1

VAN DE MARK CA

AL INC. APRIL 2012 FLOWS AND ANALYTICAL

VAIN DE MA	ANN ON	AL ING. AI	FRIL 2012	FLOWS AI	ID ANAL I	HOAL			Un	it 1	Ur	nit 2	1			
DATE	MAX Daily	Flow from	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene		Toluene	9	SBOH	Icaridin	HEPP
	Flow GPM	D Area		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	Comments	ppm	ppm	ppm
LIMIT		GPD		137.00	200.00	53.00	N/A	199.00		"	l	l ''	1	''''	''	
1-Apr-12	14		20,479	101.00	1 200,000	-	1071		 	 			<u> </u>			r
2-Apr-12	20		28,703	10.53	0.00	0.00	10.05	7.66		t			Changed cart		\vdash	
3-Apr-12	20		28,756							t		 -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 		
4-Арг-12	21	·	30,246			<u> </u>			1						1	
5-Apr-12	15		21,441				1					-				
6-Apr-12	14		20,542				t t			T						
7-Apr-12	11		15,236				1			1						
8-Apr-12	14		19,646							1						
9-Apr-12	16		22,862	419.47	0.00	0.00	0.00	0.00		<u> </u>		_	Changed cart			
10-Apr-12	21		29,552						803.00	97.00	15.00	0.00				
11-Apr-12	11		15,398													
12-Apr-12	11		16,425	I			1.						Changed cart			
13-Apr-12	14		20,028													
14-Apr-12	9		13,156													
15-Apr-12	12		16,735				1									
16-Apr-12	21		30,365	0.00	0.00	0.00	48.12	0.00								
17-Apr-12	20		28,100													
18-Apr-12	22		31,140													
19-Apr-12	18		25,292										Changed cart			
20-Apr-12	13		18,572													
21-Apr-12	11		16,206													
22-Apr-12	14		20,194													
23-Apr-12	16		22,991	72.86	0.00	0.00	0.00	0.00								
24-Apr-12	24		34,399													
25-Apr-12	23		33,197													
26-Apr-12	67	21,214	96,976				T									
27-Apr-12	105	18,039	150,655				1									
28-Apr-12	110	16,166	159,046													
29-Apr-12	94	15,528	135,727													
30-Apr-12	104	15.258	149.443	0.00	39.45	0.00	0.00	0.00		T						

Carbon beds changed:

							Odi poli po	as olidingsa					
							Nvdmpdc\data\Pro		Effluent Discharge	Calculations xis			
						Un	it 1	Un	it 2				_
[DEA	NBA	Methanol	РОН	PNBC	Toluene	MCB	Toluene	MCB	SBOH	Icaridin	HEPP	
	mg/L_	mg/L	mg/L_	mg/L_	_mg/L	ug/l	ug/l	ppb	ug/I	ppm	ppm	ppm	
1-Apr-12						<u> </u>				L	L	L	
2-Apr-12	44	32	42	0	0	l					1	L	Changed carbon bed
3-Apr-12											<u> </u>		1
4-Apr-12												L]
5-Apr-12													
6-Apr-12													1
7-Apr-12											1]
8-Арг-12						[i	L	
9-Apr-12	2200	0	0	0	0								Changed carbon bed
10-Apr-12						97	803	0	15				1
11-Apr-12											L	L	_
12-Арг-12											<u> </u>		Changed carbon bed
13-Apr-12													
14-Apr-12													
15-Apr-12]
16-Apr-12	0	0	190	0	0	[]
17-Apr-12											<u> </u>		<u> </u>
18-Арг-12									L				ļ
19-Apr-12]			L		1		Changed carbon bed
20-Apr-12													_
21-Apr-12											<u> </u>		1
22-Apr-12										_	<u> </u>		1
23-Арг-12	380	0	0	0	0								<u> </u>
24-Apr-12												L	_
25-Apr-12											L]
26-Apr-12]
27-Арг-12						1					L		}
28-Apr-12													_
29-Apr-12													_
30-Apr-12	0	0	0	310	Ō								

VAN DE MARK CHL AL INC. MAY 2012 FLOWS AND ANALYTICAL

THE DESCRIPTION	AD ENC. MAY 2012 FLOWS AND ANALI HOAD															
							Un	it l	Ur	it 2						
Date		Flow		DEA	NBA	Methanoi	РОН	PNBC	Toluene	MCB	Toluene	мсв		SBOH	Icaridin	HEPF
	MAX Daily	from D	GPD	lbs/day	lbs/day	Ibs/day	lbs/day	lbs/day	μg/l	μg/l	μg/l	μg/l	Comments	ppm	ppm	ppm
Limit	Flow GPM	Area	1	137.00	199.00	NA .	200.00	53.00	1		''	, ,	ļ	''		""
1-May-12	104	14,807	150,116											<u> </u>		
2-May-12	106	17,359	152,739					l			T					\vdash
3-May-12	99	19,057	142,547						i							—
4-May-12	67	12,356	96,874										1			T-
5-May-12	12		17,043													
6-May-12	9		13,091													
													Changed carbon			1
7-May-12	15		22,308	0.00	42.98	0.00	54.33	7.27			İ		bed	1		
8-May-12	25		36,461			1			4.77	1.98	0.00	0.00				
9-May-12	34		48,835											1		1
10-May-12	16		22,477													
11-May-12	12		17,921													
12-May-12	10		14,956													
13-May-12	10		14,209			1										
14-May-12	16		22,780	0.00	31.92	16.30	121.59	0.00								<u> </u>
15-May-12	17		24,116													Γ
													Changed carbon			
16-May-12	23		33,179))			l		1		bed	Ì		Ì
17-May-12	27		38,485													$\overline{}$
18-May-12	13		18,546			1								<u> </u>		\vdash
19-May-12	14		19,795													
20-May-12	11		15,131													
													Changed carbon			
21-May-12	15		21,962	17.71	16.92	6.98	41.76	62.64					bed	1 1		ŀ
22-May-12	21		29,741						0.00	0.00	0.00	0.00				
23-May-12	22		32,179													
24-May-12	20		29,484													
25-May-12	14		20,088													
26-May-12	10		14,329			1										
27-May-12	20		28,629													
28-May-12	18		25,977	0.00	9.21	0.00	0.00	137.79								
29-May-12	21		29,551													
						1							Changed carbon			
30-May-12	18		26,354			[]							bed			l
31-May-12	9		13,580								T					

Flows:

Carbon beds changed:

						Un		Un				
	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l	SBOH	Icaridin ppm	HEPP ppm
1-May-12				一一								
2-May-12												
3-May-12												.,
4-May-12												
5-May-12												
6-May-12												
7-May-12	0	231	0	292	39.1				ĺ			
8-May-12						15.7	6.5	. 0	0			
9-May-12												
10-May-12									-			
11-May-12										_		
12-May-12												
13-May-12										_		
14-May-12	0	168	85.8	640	0							
15-May-12												
16-May-12	1				1							
17-May-12												
18-May-12												
19-May-12												
20-May-12												
21-May-12	96,7	92.4	38,1	228	342							
22-May-12						0	- ol	0	0			
23-May-12			 									
24-May-12												
25-May-12												
26-May-12											l	
27-May-12												
28-May-12	0	42.5	0	0	636							
29-May-12		72.3			- 050							

VAN DE MARK CHŁ	AL INC. JUNE 2012 FLOWS AND ANALYTICAL
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	MAKE CHE AD INC. JOHE 2012 PEOWS AND ANALI FICAL							Uni	it 1	Ur	it 2	1			
Date	Į T	T	DEA	NBA	Methanol	РОН	PNBC	Toluene	MCB	Toluene	MCB		SBOH	Icaridin	HEPP
	MAX Daily	GPD	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	μg/l	μg/l	μg/l	μg/l	Comments	ppm	ppm	ppm
Limit	Flow GPM		137.00	199.00	NA	200.00	53.00								,
1-Jun-12	10	13,832													
2-Jun-12	14	19,583													
3-Jun-12	8	12,107													
4-Jun-12	19	28,050	0.00	0.00	0.00	0.00	0,00								
5-Jun-12	14	19,978_						0.00	0.00	0,00	0.00				
6-Jun-12	13	19,072													
7-Jun-12		12,237					Ī								
8-Jun-12		16,673					<u></u>								
9-Jun-12	9	12,276													
10-Jun-12		9,114													
11-Jun-12		21,625	0.00	0.00	0.00	0.00	0.00								
12-Jun-12	25	35,855													İ
13-Jun-12	25	36,449													
14-Jun-12	19	27,609			<u> </u>										i
15-Jun-12	17	24,340			<u> </u>										
16-Jun-12	8	12,228													i
17-Jun-12	5	7,901													
18-Jun-12	10	14,765	0.00	0.00	0.00	13.55	0.00								L
19-Jun-12	19	26,721						0.00	0.00	0.00	0.00				
20-Jun-12	14	20,703													
21-Jun-12	10	14,010													
22-Jun-12	9	12,491													
23-Jun-12	7	9,944													L
24-Jun-12	7	9,927										Changed carbon bed			
25-Jun-12	11	15,127	0.00	21,45	0.00	21.45	0.00								
26-Jun-12	18	25,396			L										l
27-Jun-12	16	22,907													
28-Jun-12	12	17,470													
29-Jun-12	7	10,662													
30-Jun-12	7	10,653			L		L								

Flows: Carbon beds changed:

-	——-г					Un		Un				
	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l	SBOH ppm	Icaridin ppm	HEPP ppm
1-Jun-12												
2-Jun-12											li	
3-Jun-12												
4-Jun-12	0	0	0		0							
5-Jun-12						0	0	0	0			
6-Jun-12									, i		Γ ,	
7-Jun-12												
8-Jun-12		_										
9-Jun-12												
10-Jun-12												
11-Jun-12	0:	0	0	0	0							
12-Jun-12												
13-Jun-12												
14-Jun-12												
15-Jun-12												
16-Jun-12												
17-Jun-12					-							
18-Jun-12	0	0	0	110	0							
19-Jun-12						0	0	0	0			
20-Jun-12												
21-Jun-12												
22-Jun-12												=
23-Jun-12												
24-Jun-12												
25-Jun-12	0	170	0	170	0							
26-Jun-12	1											-
27-Jun-12												
28-Jun-12		-										
29-Jun-12												
30-Jun-12								_				

June

VAN DE MARK CHE . JAL INC. JULY 2012 FLOWS AND ANALYTICAL

										-					
								Un	<u>it</u> l	Un	it 2				_
Date			DEA	NBA	Methanol	POH	PNBC	Toluene	MCB	Toluene	MCB	1	SBOH	Icaridin	HEPP
	MAX Daily	GPD	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	μg/i	μ g /l	μg/l	μg/l	Comments	ppm	ppm	ppm
Limit	Flow GPM		137.00	199.00	NA	200.00	53.00			l		ŀ	1	••	
1-Jul-12	8	11,339													
					1			1				Changed			
2-Jul-12	12	17,744	0.00	12.19	0.00	25.16	10.18					carbon bed			
3-Jul-12	21	29,942						6.17	3.00	6.24	18.03		<u> </u>		ĺ
4-Jul-12	13	18,945													
5-Jul-12	5	7,591											· ·		
		1										Changed			
6-Jul-12	1 10	13,878										carbon bed			
7-Jul-12	9	13,648										T			
8-Jul-12	11	15,604						f							
9-Jul-12	18	26,638	0.00	0.00	0.00	0.00	0,00					 	 -		
10-Jul-12	20	28,520											T -		
11-Jul-12	19	27,942													<u> </u>
12-Jul-12	12	17,166					<u> </u>						 		
13-Jul-12	8	12,056		-			· · · · · · · · · · · · · · · · · · ·								
14-Jul-12	9	12,257											-		
15-Jul-12	8	11,558								-			<u> </u>		
16-Jul-12	13	18,796	0.00	0.00	0.00	0.00	39.19								<u> </u>
1000112		10,750	0.00	0.00		0.00	33.13					Changed			
17-Jul-12	12	16,908						45.41	26.23	3.91	4.51	carbon bed			
18-Jul-12	14	19,578			t			13.11	20.25	3.71	1.51		 		
19-Jul-12	14	20,719						1				 	 		
20-Jul-12	15	21,552			 							 	<u> </u>		
21-Jul-12	15	22,046										l	 		
22-Jul-12	9	13,479			1								 		
23-Jul-12	20	28,771	0.00	0.00	0.00	0.00	0.00					 	 		
24-Jul-12	26	37,854	0.00		0.00		0.00					· — —	 		
25-Jul-12	23	32,988													
26-Jul-12	22	32,316			 							ļ	-		
27-Jul-12	12	17,585													
28-Jul-12	13	18,600												-	
29-Jul-12	13	19,100			 					 		 			
27-301-12		17,100			 							Changed			
30-Jul-12	18	26,422	0.00	0.00	0.00	0.00	0.00					carbon bed			
31-Jul-12	20	28,612	0.00	0.00	0.00	0.00	0.00	3.98	12.05	0.55	7.25	carbon ocu	-		
J 1-JU1-12	20	20,012						3.70	12.00	0.55	1.23	L			

_						Ųn		Un	it 2			
ſ	DEA	NBA	Methanol	РОН	PNBC	Toluene	MCB	Toluene	MCB	SBOH	Icaridin	HEPP
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	ug/l	ррт	ppm	ppm
1-Jul-12												
		.,,										
2-Jul-12	0	82.4	0	170	68.8							
3-Jul-12						24.7	12	25	72.2			
4-Jul-12												
5-Jul-12												
6-Jul-12	ľ											
7-Jul-12												
8-Jul-12												
9-Jul-12	0	0	a	0	0							
10-Jul-12												
11-Jul-12												
12-Jul-12												
13-Jul-12												
14-Jul-12												
15-Jul-12												
16-Jul-12	0	0	0	0	250							
17-Jul-12]					322	186	27.7	32			
18-Jul-12												
19-Jul-12	-											
20-Jul-12												
21-Jul-12												
22-Jul-12												
23-Jul-12	0	0	0	0	0							
24-Jul-12												
25-Jul-12												
26-Jul-12												
27-Jul-12												
28-Jul-12				-								
29-Jul-12												
30-Jul-12	اء	0	o	0	o		l i	i l				l
	0	V I	0)				l i	l !				

VAN DE MARK CH. ... CAL INC. AUGUST 2012 FLOWS AND ANALYTICAL

								Un	it 1	Uni	t 2				
Date			DEA	NBA	Methanol	POH	PNBC	Toluene	MCB	Toluene	MCB	1	SBOH	Icaridin	HEPP
Ī	MAX Daily	GPD	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	μg/l	μg/l	μ <u>e</u> /l	μg/l	Comments	ppm	ppm	ppm
Limit	Flow GPM		137.00	199.00	NA NA	200.00	53.00	1		1		1			
l-Aug-12	25	35,607													
2-Aug-12		30,842													
3-Aug-12	17	24,973													1
4-Aug-12	12	17,396													
5-Aug-12	15	22,223								1					
6-Aug-12	19	28,042	0.00	0.00	0.00	0.00	0.00								
7-Aug-12	14	20,041													
8-Aug-12	13	19,033													
9-Aug-12	18	25,813			1										
10-Aug-12	_18	25,540													
11-Aug-12	10	14,213													
12-Aug-12	10	14,045										-			
13-Aug-12	12	17,492	0.00	0.00	0.00	0.00	0.00								
14-Aug-12	12	17,806						0.80	5.20	0.00	1.26				
15-Aug-12	13	19,060													
16-Aug-12	21	30,891													
17-Aug-12	27	39,495													
18-Aug-12	11	15,469													
19-Aug-12	_14	20,148													
												Changed carbon			
20-Aug-12	17	24,418	0.00	0.00	8.55	0.00	0.00			ļ		bed.			
21-Aug-12	19	26,805													
22-Aug-12	18	26,019													
23-Aug-12	20	28,745													
24-Aug-12	17	25,194													
25-Aug-12	10	14,866													
26-Aug-12	14	20,544													
												Changed carbon			
27-Aug-12	18	26,316	0.00	0.00	987.65	0.00	0.00					bed.			
28-Aug-12	21	30,803						0.00	25,43	0.00	0.00				
29-Aug-12	23	32,695													
30-Aug-12	10	14,836													
												Changed carbon			
31-Aug-12	11	15,966										bed.			

_							44.1	011				
Γ	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l	SBOH ppm	Icaridin	HEPP ppm
1-Aug-12	mg/L	mgrL	mgrL	mg/L	mg/L	ug/1	- ug/i	"g/1	(1g/1	ppm	ppm	ppm
						<u> </u>						
2-Aug-12			 			ļ						
3-Aug-12												
4-Aug-12	-								_			<u> </u>
5-Aug-12	0		<u> </u>									 -
6-Aug-12		0	0	0	0							
7-Aug-12			 									
8-Aug-12			 					<u> </u>			<u> </u>	
9-Aug-12												
10-Aug-12												<u> </u>
11-Aug-12			İ									
12-Aug-12			<u> </u>									<u> </u>
13-Aug-12	0	0	0	0	0							<u> </u>
14-Aug-12						5.4	35	0	8.5			
15-Aug-12			 									
16-Aug-12												<u> </u>
17-Aug-12												<u> </u>
18-Aug-12												l
19-Aug-12												<u></u>
20-Aug-12	0	0	42	0	0							
21-Aug-12												L
22-Aug-12												L
23-Aug-12												
24-Aug-12												
25-Aug-12					-							
26-Aug-12												
27-Aug-12	0	0	4500	. 0	0							
28-Aug-12						0	99	0	0			<u></u>
29-Aug-12												

								T.T.	nit 1	Uni	. 2	7			
ъ.	т		1	T 2774	1		DAVEG				MCB		I sport		VVCDD
Date]	1	DEA	NBA	Methanol	POH	PNBC	Toluene	MCB	Toluene			SBOH	Icaridin	HEPP
	MAX Daily	GPD	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	mg/l	mg/l	mg/l	mg/l	Comments	ppm	ppm	ppm
Limit	Flow GPM		137.00	199.00	NA	200.00	53.00					L			
1-Sep-12	20	28,497											 		
2-Sep-12	15	21,342		<u> </u>	 		<u> </u>			ļ	ļ.——		 _i		
3-Sep-12	15	21,174	0.00	0.00	971.25	0.00	0.00								
	1	Ī	1		1 1			i I				Changed carbon			
4-Sep-12	20	28,977		<u> </u>								bed.			
	1				1					1	Ì	Changed carbon			1
5-Sep-12	11	15,589	1	_	l							bed.			
6-Sep-12	24	33,908	T				_								
												Changed carbon			
7-Sep-12	18	26,580	Ì	1	}]))			}	bed.]	Ì	i 1
		- f										Changed carbon			
8-Sep-12	4	5,879	į		ļ i							bed.			
9-Sep-12	12	16,620								·					
	r		· · · · · · ·									Changed carbon			
10-Sep-12	17	24,118	0.00	0.00	1508.57	0.00	0.00				ļ	bed.	1		
11-Sep-12	22	31,506	0.00		1.550.5			·					 		
		3,,500			 					-		Changed carbon			
12-Sep-12	24	34,422	Ì	1	} i			1		ì		bed.		·	1
13-Sep-12	26	37,755	 		 					 		Deu.			
14-Sep-12	18	25,599			 										
15-Sep-12	14	19,645													
16-Sep-12	10	14,310		 -	 			-		1	 				
17-Sep-12	27	38,420	0.00	0.00	11.86	0.00	0.00			 	 				
17-Sep-12	- 21	38,420	0.00	0.00	11.80	0.00	0.00					Changed carbon			
,,,,		23,400	Ì							1		bed.			
18-Sep-12	22	31,408		 	 		·	 		-		bea.			
19-Sep-12	7	10,509			 					ļi					
20-Sep-12	5	7,835													
21-Sep-12	6	8,259	-ļ <u>-</u>												
22-Sep-12	8	11,290			<u> </u>										
23-Sep-12	8	11,934			L										
24-Sep-12	6	7,997	113,39	0.00	0.00	0.00	0.00						ļ		
25-Sep-12	6	8,019	ļ												
26-Sep-12	9	12,469			<u> </u>			5.57	0.43	0.41	0.43				
27-Sep-12	8	12,053													
28-Sep-12	8	11,543													
29-Sep-12	7	9,746													
30-Sep-12	7	9,616													

Flows:	Carbon beds changed:
\\vdmpdc\data\EHSQ\Safetv\Shared\Bo	Bilicki\2012\2012 daily wat \\vdmpdc\data\Production\Pt-16 data\Effluent Discharge Calculations.xls

						Un		Un			it Discharge		
	DEA	NBA	Methanol	POH	PNBC	Toluene	МСВ	Toluene	MCB	SBOH	Icaridin	HEPP	
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/I	ug/l	ppm	ppm	ppm	
1-Sep-12													
2-Sep-12													Changed carbon bed
3-Sep-12	0	0	5500	0	0								
4-Sep-12													
5-Sep-12													
6-Sep-12													
7-Sep-12													
ļ													
8-Sep-12													
9-Sep-12			ļ										Changed carbon bed
10-Sep-12	0	0	7500	0	0						<u> </u>		
11-Sep-12													
} {			\ \						l				
12-Sep-12											ļ		Changed carbon bed
13-Sep-12										<u> </u>			
14-Sep-12													
15-Sep-12			 										
16-Sep-12													
17-Sep-12	0	0	37	0	0								
	1												
18-Sep-12													Changed carbon bed
19-Sep-12 20-Sep-12													Changed carbon bed
20-Sep-12 21-Sep-12													
21-Sep-12 22-Sep-12													
23-Sep-12											 		
23-Sep-12 24-Sep-12	1700	0	0		0								
25-Sep-12	1700												
25-Sep-12 26-Sep-12						53.6	4.1	3.9	4.1		t		
27-Sep-12			-			0.00	7.1	3.5	7.1		 		
28-Sep-12											 	-	
29-Sep-12			 								1		
30-Sep-12									_		1		
			·								-		•

VAN DE AK CHEMICAL INC. OCTOBER 2012 FLOWS AND ANALYTICAL

	CILCIANICA						-	Ur	it I	U	nit 2	1			
Date	T		DEA	NBA	Methanol	РОН	PNBC	Toluene	MCB	Toluene	MCB		SBOH	Icaridin	HEPP
1	MAX Daily	GPD	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	Comments	ppm	ppm	ppm
Limit	Flow GPM		137.00	199.00	NA	200.00	53.00	0.0099	0.0510	0.0099	0.0510	I			
1-Oct-12	5	7,371	58.40	0.00	0.00	0.00	0.00								
2-Oct-12	6	8,473											I		
			1]							Changed			
3-Oct-12		11,874										carbon bed.			
4-Oct-12		22,348													
5-Oct-12		16,887													
6-Oct-12	11	15,658										1	}		
7-Oct-12	17	24,186													
8-Oct-12		14,587	57.18	0.00	19.46	65.69	0.00								
9-Oct-12		14,015						0.0004558	0.0002455	0.0005610	0.0015312				
10-Oct-12		16,398													
11-Oct-12	10	14,127													
12-Oct-12		13,362													
13-Oct-12	8	11,827													
14-Oct-12	8	10,916													
										1		Changed			
15-Oct-12		11,232	28.10	0.00	0.00	48.71	0.00					carbon bed.			
16-Oct-12		12,892													
17-Oct-12		13,217							l						
18-Oct-12		7,716													
19-Oct-12		8,973			1										
20-Oct-12		9,999													
21-Oct-12		14,489													
22-Oct-12		18,768	13.15	48.52	5.95	144.00	0.00								
23-Oct-12	14	20,560						0.00	0.00	0.03	0.00				
					1							Changed			
24-Oct-12		19,753			İ]							carbon bed.			
25-Oct-12															
26-Oct-12															
27-Oct-12															
28-Oct-12															
29-Oct-12															
30-Oct-12															
31-Oct-12					L							l			

[DEA	NBA	Methanol	РОН	PNBC	Toluene	МСВ	Toluene	MCB	SBOH	Icaridin	HEPP
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	ug/l	ррт	ррт	ppm
1-Oct-12	950	0	0	0	0	i						L
2-Oct-12												
3-Oct-12												
4-Oct-12												
5-Oct-12												
6-Oct-12												
7-Oct-12												
8-Oct-12	470	0	160	540	0							
9-Oct-12						3.9	2,1	4.8	13.1			
10-Oct-12												
11-Oct-12												
12-Oct-12												
13-Oct-12												
14-Oct-12												
15-Oct-12	300	0	0	520	0							ĺ
16-Oct-12												
17-Oct-12												
18-Oct-12												
19-Oct-12												
20-Oct-12												
21-Oct-12												
22-Oct-12	84	310	38	920	0							
23-Oct-12						24.3	24.3	190	0			
24-Oct-12										1		
25-Oct-12												
26-Oct-12												
27-Oct-12												
28-Oct-12												
29-Oct-12												
30-Oct-12												
31-Oct-12												

								Ur	uit l	Un	nit 2	L			
Date Limit	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Toluene µg/l	MCB μg/l	Toluene µg/l	МСВ µg∕l	Comments	SBOH ppm	Icaridin ppm	HEPP ppm
1-Nov-12															
2-Nov-12			 												
3-Nov-12															
4-Nov-12															
5-Nov-12			<u> </u>				i			1				·	
6-Nov-12												l			
7-Nov-12	2		T												
8-Nov-12			 												
9-Nov-12															
10-Nov-12	2														
11-Nov-12			i -												
12-Nov-12	2														
13-Nov-12	2														
14-Nov-12	2	T -													
15-Nov-12	2														
16-Nov-12															
17-Nov-12	2							i i							
18-Nov-12	2														
19-Nov-12	2														
20-Nov-12	2														
21-Nov-12	2														
22-Nov-12															
23-Nov-12	2				li										
24-Nov-12	2														
25-Nov-12															
26-Nov-12															
27-Nov-12	2				1										
28-Nov-12															
29-Nov-12															
30-Nov-12															

	Flows:						Carbon be	ds changed:					
	i/vdmpdc/c	lata\EHSQ	\Safety\Share	d\Bo Bilic	<u>ki\2012\201</u>	2 daily wats	\\vdmpdc\	data\Product	ion\Pt-16 d	ata\Effluent	Discharge (Calculation	<u>s.xls</u>
						Un		Un					
	DEA	NBA	Methanol	POH	PNBC	Toluene	MCB	Toluene	MCB	SBOH	Icaridin	HEPP	j
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	ug/l	ррт	ррт	ppm	
1-Nov-12			1		<u> </u>]
2-Nov-12													Changed carbon bed
3-Nov-12													j
4-Nov-12			ll										
5-Nov-12													
6-Nov-12													
7-Nov-12]
8-Nov-12													
9-Nov-12													Changed carbon bed
10-Nov-12					[}
11-Nov-12								T I					
12-Nov-12			T										Changed carbon bed
13-Nov-12													
14-Nov-12													
15-Nov-12]
16-Nov-12			1		1]
17-Nov-12					T								
18-Nov-12]
19-Nov-12													Changed carbon bed
20-Nov-12							• • • • • • • • • • • • • • • • • • • •						
21-Nov-12													
22-Nov-12													
23-Nov-12													
24-Nov-12													
25-Nov-12													1
26-Nov-12													
27-Nov-12												-	
28-Nov-12													1
29-Nov-12]
30-Nov-12													1
													-

VAN DE	AK CHEMICAL	INC. APRIL	2012 FLOWS	AND ANALYTICAL

				-				Un	it 1	Un	it 2]			
Date	MAX Daily		DEA	NBA	Methanol		PNBC	Toluene	MCB	Toluene	MCB		SBOH	Icaridin	HEPP
	Flow GPM	GPD	lbs/day	lbs/day	lbs/day	lbs/day	[bs/day	μg/l	μg/l	μg/l	μg/l	Comments	ppm	ppm	ppm
Limit			137.00	199.00	NA	200.00	53.00								L
1-Dec-12			ļ										L		L
2-Dec-12															Ļ
3-Dec-12			 												
4-Dec-12			ļ												
5-Dec-12		_													
6-Dec-12			ļ <u>.</u>												<u> </u>
7-Dec-12			ļ												ļ
8-Dec-12															
9-Dec-12															
10-Dec-12			<u> </u>		ļI									<u> </u>	
11-Dec-12					\i										
12-Dec-12															Ĺ
13-Dec-12															ļ
14-Dec-12			<u> </u>		 									ļ	
15-Dec-12	-		-		ļl										
16-Dec-12															<u> </u>
17-Dec-12					ļ —										ļ
18-Dec-12															
19-Dec-12															
20-Dec-12															
21-Dec-12			<u> </u>		I										
22-Dec-12		-	L												
23-Dec-12					lI										
24-Dec-12			1		ll										
25-Dec-12															
26-Dec-12					ļ										
27-Dec-12															
28-Dec-12															
29-Dec-12					ļ										
30-Dec-12			ļ		<u> </u>									<u> </u>	
31-Dec-12			L												

Flows:	Carbon be	ds changed:		
\\vdmpdc\data\EHSO\Safetv\Shared\Bo Bilicki\2012\201	2 daily wat \\vdmpdc\c	lata\Production\Pt-16 d	ata\Effluent Discharge	Calculations.xls
	Unit 1	Linit 2		

	DEA	NBA	Methanol	РОН	PNBC	Toluene	MCB	Toluene	MCB	SBOH	Icaridin	HEPP	}
	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	ug/l	ppm	ppm	ppm	1
1-Dec-12		ļ				ļ							
2-Dec-12			 										Changed carbon be
3-Dec-12		ļ	 					<u> </u>					
4-Dec-12													4
5-Dec-12			1										1
6-Dec-12			11										1
7-Dec-12			11			L					L		1
8-Dec-12			1										
9-Dec-12						L							Changed carbon be
10-Dec-12]
11-Dec-12			L										1
12-Dec-12										i			Changed carbon be
13-Dec-12			l l		-]		
14-Dec-12]
15-Dec-12			\Box										Ι.
16-Dec-12			1]
17-Dec-12													1
18-Dec-12													1
19-Dec-12													Changed carbon be
20-Dec-12													1
21-Dec-12													1
22-Dec-12			1										1
23-Dec-12													1
24-Dec-12						l							1
25-Dec-12			1										1
26-Dec-12			1							-			1
27-Dec-12			1										İ
28-Dec-12			 										1
29-Dec-12			+-+							-			1
30-Dec-12			 		 			· · · · · · ·					1
31-Dec-12			J		L			I	L—	L	1	L	1
31-Dec-12													

								Uni	t 1	Ur	nit 2
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
[Flow GPM	{ l	#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/i	ppb
LIMIT	1	!	137.00	200.00	53.00	NA	199.00	_			
1-Jan-12	13.00	18133.00									
2-Jan-12	14.00	20720.00	5.88	123.56	0.00	0.00	25.92			1	
3-Jan-12	15.00	21524.00						134.00	23900.00	0.00	17.60
4-Jan-12	10.00	15013.00		 			t				
5-Jan-12	18.00	25723.00			 				 		
6-Jan-12	17.00	24061.00			1				†		
7-Jan-12	16.00	22405.00									
8-Jan-12	15.00	21672.00		 	1		1	·			
9-Jan-12	15.55	22397.76	0.00	100.87	12.70	0.00	63.51				
10-Jan-12	14.85	21388.04		ļ —	T						
11-Jan-12	15.62	22490.62					1				
12-Jan-12	20.05	28869.93		<u> </u>			1				
13-Jan-12	12.62	18173.46			1						
14-Jan-12	17.08	24591.20		<u> </u>							
15-Jan-12	13.74	19779.31			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
16-Jan-12	8.67	12479.79	0.00	44,76	38.51	0,00	22.90	299.00	2160.00	1820.00	532.00
17-Jan-12	19.67	28320.29								1	
18-Jan-12	28.46	40981.89								1	
19-Jan-12	19.77	28475.37									
20-Jan-12	19.53	28126.59							 		
21-Jan-12	12.39	17836.08									
22-Jan-12	10.89	15678.54									
23-Jan-12	24.27	34954.93	0.00	52.47	0.00	34.98	26.24				
24-Jan-12	23.62	34005.90									
25-Jan-12	9.71	13977.46									
26-Jan-12	10.06	14483.79									
27-Jan-12	21.01	30247.20			"					1	
28-Jan-12	17.32	24944.01				**	1			1	
29-Jan-12	13.56	19522.46									
30-Jan-12	13.21	19015.54									
31-Jan-12	23.21	33417.18	0.00	0.00	0.00	16.72	0.00	256.00	43.50	0.00	0.00
1-Feb-12	20.49	29499.96									
2-Feb-12	17.60	25343.73									
3-Feb-12	15.61	22471.62									
4-Feb-12	13.89	19997.36									
5-Feb-12	13.09	18848.50							1		
6-Feb-12	16.83	24233.81	0.00	0.00	0.00	0.00	0.00				
7-Feb-12	18.86	27163.41									
8-Feb-12	14.69	21158.85									
9-Feb-12	11.89	17120.74									
10-Feb-12	13.18	18972.98									
11-Feb-12	13.00	18715.26									
12-Feb-12	12.75	18356.03									
13-Feb-12	11.28	16250.23	0.00	0.00	0.00	6.64	0.00				
14-Feb-12	10.38	14941.51						0.00	0.00	0.00	0.00
15-Feb-12	15.76	22690.76									
16-Feb-12	15.50	22324.38									
17-Feb-12	19.56	28162.79									

Flows

Page 1

							[Uni	t 1	U	nit 2
DATE	MAX Daily	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
	Flow GPM		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb
LIMIT		ŀ	137.00	200.00	53.00	NA	199.00				'''
18-Feb-12	16.51	23769.23	101.00	200.00	30.00		100.00		 	<u> </u>	
19-Feb-12	11.77	16954.25				-			1	 	
20-Feb-12	11.42	16448.10	0.00	0.00	0.00	0.00	0,00			<u> </u>	-
21-Feb-12	9.45	13614.51	0.00	0.00	0.00	5.00	0.00		 		
22-Feb-12	17.08	24601.74							 	<u> </u>	
23-Feb-12	14.97	21561.68								· · · · · ·	
24-Feb-12	16.48	23731.63	 -							 	
25-Feb-12	29.33	42229.55							 	†	
26-Feb-12	19.88	28622.67				· · · · · · · · · · · · · · · · · · ·			 	<u> </u>	
27-Feb-12	6.34	9128.08	0.00	0.00	0.00	23.60	0.00				
28-Feb-12	14.42	20757.68						0.00	0.00	45.90	11.20
29-Feb-12	14.22	20479.88							1	10100	
1-Mar-12	17.40	25057.04			<u> </u>					 -	
2-Mar-12	16.83	24232.96	· · · · · · · · · · · · · · · · · · ·							 	
3-Mar-12	18.61	26805.28									
4-Mar-12	16.66	23995.25			,				 	<u> </u>	
5-Mar-12	12.30	17712.46	0.00	0.00	0.00	10.64	0.00			<u> </u>	
6-Mar-12	22.78	32806.93			0.00	10.01	0.00			<u> </u>	
7-Mar-12	24.41	35153.98								 	
8-Mar-12	20.35	29298.46							 		
9-Mar-12	17.61	25354.15							}		
10-Mar-12	18.05	25994.26							 		
11-Mar-12	16.10	23178.17									
12-Mar-12	19.52	28109.07							 		
13-Mar-12	16.11	23204.44	0.00	0.00	0.00	38.12	0.00	0.00	0.00	0.00	0.00
14-Mar-12	14.50	20878.10	0.00			30.12	0.00	0.00	5.50	0.00	
15-Mar-12	15.41	22192.49									_
16-Mar-12	21.20	30521.12						-			
17-Mar-12	18.92	27240.39									
18-Mar-12	17.26	24858.95							+		
19-Mar-12	23.98	34528.95	0.00	120.95	0.00	69.11	23.33			-	
20-Mar-12	26.48	38129.70					20,50		 	ļ	
21-Mar-12	24.87	35805.76									
22-Mar-12	22.28	32085.90									
23-Mar-12	15.82	22775.63								<u> </u>	
24-Mar-12	8.40	12095.95	· - ···						1	1	
25-Mar-12	11.57	16659.48							1		i
26-Mar-12	17.16	24714.29	0.00	90.69	0.00	72.14	26.80		 		i
27-Mar-12	29.85	42987.67						560.00	0.00	28.30	33.10
28-Mar-12	29.21	42062.31							T		
29-Mar-12	16.98	24447.12							 		
30-Mar-12	10.87	15648.26			-				1		
31-Mar-12	10.98	15806.56							 	t	i
1-Apr-12	14.22	20478.53									i
2-Apr-12	19.93	28703.01	10.53	0.00	0.00	10.05	7.66		 		i
3-Apr-12	19.97	28756.18									i
4-Apr-12	21.00	30246.45						·	1		
5-Apr-12	14.89	21441.13			-				1		Ī

Flows Page 2

VDM00910

				AND ANALT HOAL				Γ	Uni	t 1	TÜ	nit 2
DATE	MAX Daily	1 - 1	GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene
	Flow GPM	1 1		#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb
LIMIT	ì) 1		137.00	200.00	53.00	NA I	199.00	· ·	}	1	
6-Apr-12	14.27		20541.73	101.00				100.00			 	
7-Apr-12	10.58	1	15236.36								—	
8-Apr-12	13.64	1	19646.00				· · · · · · · · · · · · · · · · · · ·			<u> </u>		
9-Apr-12	15.88	1 1	22861.76	419.47	0.00	0.00	0.00	0.00				
10-Apr-12	20.52	 	29552.01						803.00	97.00	15.00	0.00
11-Apr-12	10.69	†****** 	15398.24								1	
12-Apr-12	11.41		16424.60								<u> </u>	
13-Apr-12	13.91		20028.10									
14-Apr-12	9.14	1 - 1	13155.95							i		<u> </u>
15-Apr-12	11.62		16734.56									
16-Apr-12	21.09	1	30364.90	0.00	0.00	0.00	48.12	0.00			1	
17-Apr-12	19.51	1	28099.77						· · · · · · · · · · · · · · · · · · ·			
18-Apr-12	21.62	1	31139.62							1		
19-Apr-12	17.56	 	25292.43							1		
20-Apr-12	12.90	 	18572.38							1	T	
21-Apr-12	11.25		16205.87				- †			T		
22-Apr-12	14.02		20193.81									
23-Apr-12	15.97	† †	22991.29	72.86	0.00	0.00	0.00	0.00		1		
24-Apr-12	23.89	t	34399.07									
25-Apr-12	23.05	1	33196.54							 	1	
26-Apr-12	67.34	 	96975.75								1	<u> </u>
27-Apr-12	104.62	<u> </u>	150654.68							·		
28-Apr-12	110.45		159046.00						··· - ·-·	1	 	
29-Apr-12	94.25	 	135726.97							1		
30-Apr-12	103.78	 	149442.85							·		<u> </u>
1-May-12	104.25	14806.73	150116.43							 	 	
2-May-12	106.07	17358.98	152738.99							 	1	
3-May-12	98.99	19056.73	142547.16							 		
4-May-12	67.27	12355.98	96874.24		-					 		
5-May-12	11.84	0.00	17043.34								 	
6-May-12	9.09	0.00	13090.92								,	t
7-May-12	15.49	0.00	22308.34	0.00	42.98	0.00	54.33	7.27		 	 	
8-May-12	25.32	0.00	36461.09					— ···	4.77	1.98	0.00	0.00
9-May-12	33.91	0.00	48835.08							†	†- 	
10-May-12	15.61	0.00	22476.71							1		
11-May-12	12.44	0.00	17920.57							1	<u> </u>	<u> </u>
12-May-12	10.39	0.00	14956.48							1	 	
13-May-12	9.87	0.00	14208.98					+		1	 	
14-May-12	15.82	0.00	22780.24	0.00	31.92	16.30	121.59	0.00		1	 	
15-May-12	16.75	0.00	24116.07	- 5.55						 	 	
16-May-12	23.04	0.00	33178.82							1		
17-May-12	26.73	0.00	38484.88							1	 	
18-May-12	12.88	0.00	18546.02							1	1	
19-May-12	13.75	0.00	19795.33							 	 	
20-May-12	10.51	0.00	15130.97							 	 	
21-May-12	15.25	0.00	21962.15	17.71	16.92	6.98	41.76	62.64		 	 	
22-May-12	20.65	0.00	29741.06	17.41	15.52				0.00	0.00	0.00	0.00
23-May-12	22.35	0.00	32178.75				·	+		+	T	

DATE	MAX Daily		GPD	DEA	POH	PNBC	Methanol	NBA	Uni	Toluene	MCB	nit 2 Toluer
DAIL	Flow GPM		l Grb		E .	1		1				
	FIOW GPM			#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb
LIMIT	20.48	0.00	20404.00	137.00	200.00	53.00	NA	199.00			ļ	
24-May-12	20.48	0.00	29484.26			 					 	
25-May-12	13.95	0.00	20088.23			-					┼	
26-May-12	9.95	0.00	14329.14	·				ļ		ļ	╄	
27-May-12	19.88	0.00	28629.11		0.04		0.00	107.70			ļ <u>.</u>	
28-May-12	18.04	0.00	25977.34	0.00	9.21	0.00	0.00	137.79			-	
29-May-12	20.52	0.00	29550.60								ļ	
30-May-12	18.30	0.00	26354.37	<u> </u>							 	
31-May-12	9.43	0.00	13580.10								 	
1-Jun-12	9.61	0.00	13832.38								 	├
2-Jun-12	13.60	0.00	19583.23			 				 	╄	
3-Jun-12	8.41	0.00	12106.56				0.00				↓	
4-Jun-12	19.48	0.00	28049.70	0.00	0.00	0.00	0.00	0.00			0.00	1 0 0
5-Jun-12	13.87	0.00	19977.99						0.00	0.00	0.00	0.0
6-Jun-12	13.24	0.00	19071.74								 	
7-Jun-12	8.50	0.00	12236.82								ļ	
8-Jun-12	11.58	0.00	16672.51							 	 	}
9-Jun-12	8.53	0.00	12276.09								 	
10-Jun-12	6.33	0.00	9113.81							 	<u> </u>	 -
11-Jun-12	15.02	0.00	21625.42	0.00	0.00	0.00	0.00	0.00				
12-Jun-12	24.90	0.00	35854.63							<u> </u>		<u> </u>
13-Jun-12	25.31	0.00	36448.96				<u>:</u>					
14-Jun-12	19.17	0.00	27609.29									<u> </u>
15-Jun-12	16.90	0.00	24340.31			ļ						Ь——
16-Jun-12	8.49	0.00	12228.28							·	ļ	 -
17-Jun-12	5.49	0.00	7901.42							 		├
18-Jun-12	10.25	0.00	14765.18	0.00	0.00	0.00	13.55	0.00		ļ		<u> </u>
19-Jun-12	18.56	0.00	26720.90			ļ			0.00	0.00	0.00	0.00
20-Jun-12	14.38	0.00	20702.87							 	ļ	ļ
21-Jun-12	9.73	0.00	14009.77	_,						<u> </u>	<u> </u>	ļ
22-Jun-12	8.67	0.00	12491.40								ļ	
23-Jun-12	6.91	0.00	9944.43									<u> </u>
24-Jun-12	6.89	0.00	9926.83									
25-Jun-12	10.51	0.00	15127.35	0.00	21.45	0.00	21.45	0.00			<u> </u>	ļ
26-Jun-12	17.64	0.00	25395.87								<u> </u>	<u> </u>
27-Jun-12	15.91	0.00	22907.44			 					ļ	<u> </u>
28-Jun-12	12.13	0.00	17469.51									
29-Jun-12	7.40	0.00	10661.80							-	<u> </u>	
30-Jun-12	7.40	0.00	10653.34									ļ
1-Jul-12	7.87	0.00	11338.61							<u> </u>	ļ	<u> </u>
2-Jul-12	12.32	0.00	17744.39	0.00	12.19	0.00	25.16	10.18				
3-Jul-12	20.79	0.00	29942.29					·	6.17	3.00	6.24	18.0
4-Jul-12	13.16	0.00	18944.95		·						<u> </u>	<u> </u>
5-Jul-12	5.27	0.00	7591.16			L				1	 	1
6-Jul-12	9.64	0.00	13878.49									
7-Jul-12	9.48	0.00	13648.42			L				<u> </u>	1	
8-Jul-12 9-Jul-12	10.84	0.00	15604.42								1	L
	18.50	0.00	26638.26	0.00	0.00	0.00	0.00	0.00		1	1	1

DATE	1 34 37 75 71		CDD	DEA .	DOLL -	T DNDO	3.4-41		Uni			nit 2
DATE	MAX Daily		GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluen
	Flow GPM		1	#/day	#/day	#/day	#/day	#/day	ug/l	ug/i	ug/l	ppb
LIMIT				137.00	200.00	53.00	NA	199.00				
11-Jul-12	19.40	0.00	27942.46								<u> </u>	
12-Jul-12	11.92	0.00	17166.15	i								
13-Jul-12	8.37	0.00	12055.74			ļ						
14-Jul-12	8.51	0.00	12256.51								<u> </u>	L
15-Jul-12	8.03	0.00	11557.86								<u> </u>	
16-Jul-12	13.05	0.00	18796.04	0.00	0.00	0.00	0.00	39.19				
17-Jul-12	11.74	0.00	16908.32			1			45.41	26.23	3.91	4.51
18-Jul-12	13.60	0.00	19578.15							<u> </u>	<u> </u>	
19-Jul-12	14.39	0.00	20718.63									
20-Jul-12	14.97	0.00	21551.92								<u></u>	
21-Jul-12	15.31	0.00	22045.76									
22-Jul-12	9.36	0.00	13478.61									
23-Jul-12	19.98	0.00	28770.60	0.00	0.00	0.00	0.00	0.00				
24-Jul-12	26.29	0.00	37854.32									
25-Jul-12	22.91	0.00	32988.45									
26-Jul-12	22.44	0.00	32315.59									
27-Jul-12	12.21	0.00	17585.22									
28-Jul-12	12.92	0.00	18600.25									
29-Jul-12	13.26	0.00	19100.05									
30-Jul-12	18.35	0.00	26421.60	0.00	0.00	0.00	0.00	0.00				
31-Jul-12	19.87	0.00	28611.67						3.98	12.05	0.55	7.25
1-Aug-12	24.73	0.00	35606.72				7					ľ
2-Aug-12	21.42	0.00	30842.04									
3-Aug-12	17.34	0.00	24972.73									ĺ
4-Aug-12	12.08	0.00	17395.64									ſ
5-Aug-12	15.43	0.00	22222.60									
6-Aug-12	19.47	0.00	28042.34	0.00	0.00	0.00	0.00	0.00				l
7-Aug-12	13.92	0.00	20041.31									1
8-Aug-12	13.22	0,00	19033.35					-	**			
9-Aug-12	17.93	0.00	25812.82									
10-Aug-12	17.74	0.00	25540.07							-		
11-Aug-12	9.87	0.00	14212.76						, o 4, rd	1		
12-Aug-12	9.75	0.00	14045.03		17.00					1		
13-Aug-12	12.15	0.00	17491.96	0.00	0.00	0.00	0.00	0.00	· · · · · · · · · · · · · · · · · · ·	1	-	·
14-Aug-12	12.37	0.00	17806.14						0.80	5.20	0.00	1.26
15-Aug-12	13.24	0.00	19060.26							1		
16-Aug-12	21.45	0.00	30891.29	· · · · · · · · · · · · · · · · · · ·	····					+		
17-Aug-12	27.43	0.00	39494.81							 		
18-Aug-12	10.74	0.00	15468.50	··						1		
19-Aug-12	13.99	0.00	20147.89							1	—	
20-Aug-12	16.96	0.00	24418.46	0.00	0.00	8.55	0.00	0.00		1		Γ
21-Aug-12	18.61	0.00	26804.79							1		ſ
22-Aug-12	18.07	0.00	26018.93		, ,	 				 		i
23-Aug-12	19.96	0.00	28745.34							1		
24-Aug-12	17.50	0.00	25194.18									
25-Aug-12	10.32	0.00	14865.62					+		 		
26-Aug-12	14.27	0.00	20543.67							 		
27-Aug-12	18.28	0.00	26316.18	0.00	0.00	987.65	0.00	0.00		+		
Zi Mug IZ	10.40	0.00	20010.10	0.00	0.00	001.00	0.00	0.00		ــــــــــــــــــــــــــــــــــــــ	L	

Flows Page 5

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							Uni	Ui					
DATE	MAX Daily		GPD	DEA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	i
	Flow GPM			#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	1
LIMIT				137.00	200.00	53.00	NA	199.00		""			l
28-Aug-12	21.39	0.00	30802.57	107.00	200.00	30.00		195.00	0.00	25.43	0.00	0.00	
29-Aug-12	22.70	0.00	32694.57			 				20.40	0.00	0.00	
30-Aug-12	10.30	0.00	14836.01			1				 	·		i
31-Aug-12	11.09	0.00	15966.04			<u> </u>				 	 	-	
1-Sep-12	19.79	0.00	28496.70			<u> </u>				 			
2-Sep-12	14.82	0.00	21341.59							· 			
3-Sep-12	14.70	0.00	21173.95	0.00	0.00	971.25	0.00	0.00			-		l
4-Sep-12	20.12	0.00	28976.78	0.00	0.00		0.00	0.00		 			
5-Sep-12	10.83	0.00	15588.72			 				 			
6-Sep-12	23.55	0.00	33907.51										
7-Sep-12	18.46	0.00	26580.29							 			
8-Sep-12	4.08	0.00	5878.62)	·*****			 			
9-Sep-12	11.54	0.00	16619.73			1	· · · · · · · · · · · · · · · · · · ·						
10-Sep-12	16.75	0.00	24117.85	0.00	0.00	1508.57	0.00	0.00		1			
11-Sep-12	21.88	0.00	31506.04							 			
12-Sep-12	23.90	0.00	34421.90			1				—			161
13-Sep-12	26.22	0.00	37754.73			†~							
14-Sep-12	17.78	0.00	25598.91									1	
15-Sep-12	13.64	0.00	19644.75			1							
16-Sep-12	9.94	0.00	14310.37										
17-Sep-12	26.68	0.00	38419.92	0.00	0.00	11.86	0.00	0.00					
18-Sep-12	21.81	0.00	31407.81	· · · · · · · · · · · · · · · · · · ·									
19-Sep-12	7.30	0.00	10508.77										
20-Sep-12	5.44	0.00	7835.02										
21-Sep-12	5.74	0.00	8259.02						•				
22-Sep-12	7.84	0.00	11290.26							1			
23-Sep-12	8.29	0.00	11933.76										
24-Sep-12	5.55	0.00	7997.28	113.39	0.00	0.00	0.00	0.00	*				
25-Sep-12	5.57	0.00	8018.52										
26-Sep-12	8.66	0.00	12468.52						5.57	0.43	0.41	0.43	1570
27-Sep-12	8.37	0.00	12052.52										
28-Sep-12	8.02	0.00	11542.52										
29-Sep-12	6.77	0.00	9745.76										
30-Sep-12	6.68	0.00	9616.26										
1-Oct-12	5.12	0.00	7371.27	58.40	0.00	0.00	0.00	0.00		ļ			
2-Oct-12	5.88	0.00	8473.02										
3-Oct-12	8.25	0.00	11873.52										11.4
4-Oct-12	15.52	0.00	22348.28							1			
5-Oct-12	11.73	0.00	16887.02							ļ			
6-Oct-12	10.87	0.00	15657.76										
7-Oct-12	16.80	0.00	24185.76										
8-Oct-12	10.13	0.00	14586.52	57.18	0.00	19.46	65.69	0.00		1			
9-Oct-12	9.73	0.00	14014.77			 			0.00	0.00	0.00	0.00	
10-Oct-12	_11.39	0.00	16398.02			ļļ							10.2
11-Oct-12	9.81	0.00	14127.28			ļl				<u> </u>			
12-Oct-12	9.28	0.00	13361.51			L							
13-Oct-12	8.21	0.00	11826.50			ļ		-		 _			
14-Oct-12	7.58	0.00	10915.76			L							

Page 6 Flows

	-,,		CT 2011 FLOWS		-				Unit	:1	Unit 2		
DATE	MAX Daily Flow GPM	_	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb	
LIMIT			ļ	137.00	200.00	53.00	NA	199.00	-3	-3.	-3	"-	
15-Oct-12	7.80	0.00	11231.77	28.10	0.00	0.00	48.71	0.00			 		
16-Oct-12	8.95	0.00	12891.77			1 1111	T						
17-Oct-12	9.18	0.00	13216.77										
18-Oct-12	5.36	0.00	7716.02										
19-Oct-12	6.23	0.00	8973.02								1		
20-Oct-12	6.94	0.00	9999.26										
21-Oct-12	10.06	0.00	14489.26										
22-Oct-12	13.03	0.00	18767.77	13.15	48.52	5.95	144.00	0.00					
23-Oct-12	14.28	0.00	20559.77						0.00	0.00	0.03	0.00	
24-Oct-12	13.72	0.00	19753.27										7.05
25-Oct-12	0.00	0.00	0.00					- 7					
26-Oct-12	0.00	0.00	0.00								1		
27-Oct-12	0.00	0.00	0.00										
28-Oct-12	0.00	0.00	0.00							<u> </u>			
29-Oct-12	0.00	0.00	0.00	******									
30-Oct-12	0.00	0.00	0.00										
31-Oct-12	0.00	0.00	0.00										
1-Nov-12		-											
2-Nov-12						1							
3-Nov-12													
4-Nov-12						1							
5-Nov-12						1							
6-Nov-12						1							
7-Nov-12						1							
8-Nov-12													
9-Nov-12													
10-Nov-12													
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16-Nov-12													
17-Nov-12													
18-Nov-12													
19-Nov-12	<u> </u>					<u> </u>				<u> </u>			
20-Nov-12										<u> </u>	ļ		
21-Nov-12													870
22-Nov-12						L	<u> </u>			<u> </u>		L	
23-Nov-12					<u> </u>					<u> </u>			
24-Nov-12						<u> </u>							
25-Nov-12					<u> </u>	L				ļ	<u> </u>		
26-Nov-12	11					ļ					<u> </u>		
27-Nov-12	ļl										<u> </u>	L	
28-Nov-12						<u> </u>					ļ <u> </u>	L	1450
29-Nov-12	<u> </u>												
30-Nov-12				77						<u> </u>			
1-Dec-12					L		İ			<u> </u>			

Flows Page 7

								Unit 1		Unit 2		l
DATE	MAX Daily	GPD	DĒA	POH	PNBC	Methanol	NBA	MCB	Toluene	MCB	Toluene	ĺ
	Flow GPM	İ	#/day	#/day	#/day	#/day	#/day	ug/l	ug/l	ug/l	ppb	
LIMIT			137.00	200.00	53.00	NA	199.00			İ		
2-Dec-12												
3-Dec-12												
4-Dec-12												Í
5-Dec-12										1		26.7
6-Dec-12											1	
7-Dec-12											7	İ
8-Dec-12												
9-Dec-12												
10-Dec-12												İ
11-Dec-12												
12-Dec-12							1					I
13-Dec-12												I
14-Dec-12												
15-Dec-12												I
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25-Dec-12						· · ·						ı
26-Dec-12												ı
27-Dec-12												
28-Dec-12												1
29-Dec-12							-					1
30-Dec-12												1
31-Dec-12												

Flows

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VAN JARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

LIMIT Flow GPM #/day MA 199.00 100-100-100-100-100-100-100-100-100-100	DATE	I MAY Delle I	GPD	DEA	POH	PNBC	Methanol	NBA
3-Jan-11 12 17,486 0.00 0.00 0.00 0.00 0.00 0.00 10-Jan-11 21 30,192 0.00 0.00 0.00 0.00 0.00 0.00 0.00 17-Jan-11 11 16,266 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 37-Jan-11 15 22,042 0.00 0.00 0.00 0.00 0.00 0.00 0.00 37-Jan-11 17 24,746 0.00		MAX Daily	GPD)	
3-Jan-11	LIMI I	Flow GPM	1	-	1	1 -		
103-lan-11		 	 					
17-Jan-11								
24-Jan-11								
31-Jan-11		11						
7-Feb-11 16 22,942 0.00 0.00 0.00 0.00 0.00 0.00 14-Feb-11 11 15,624 0.00 0.00 0.00 0.00 5.60 0.00 14-Feb-11 14 20,380 0.00 158.07 0.00 7.31 0.00 28-Feb-11 20 29,301 879.74 156.40 0.00 0.00 0.00 85.53 7-Mar-11 17 24,047 601.68 541.5 0.00 0.00 0.00 68.53 7-Mar-11 17 24,047 601.68 541.5 0.00 0.00 0.00 85.53 14-Mar-11 11 16,073 44.23 160.85 41.55 0.00 0.00 0.00 139.43 4-Apr-11 13 18.457 5.08 140.08 0.00 44.64 101.60 11-Apr-11 24 34,05 7.96 7.96 7.96 159.28 0.00 0.00 139.43 4-Apr-11 17 24,426 0.00 0.00 63.15 185.38 0.00 15-Apr-11 17 24,426 0.00 0.00 63.15 185.38 0.00 2-May-11 18 25,08 0.00 0.00 63.15 185.38 0.00 9-May-11 18 25,408 0.00 0.00 61.45 1229.03 0.00 9-May-11 14 20,153 0.00 0.00 7.28 355.51 8.80 16-May-11 17 23,999 0.00 0.00 5.20 78.06 0.00 112.61 7.40 33-May-11 16 22,807 0.00 0.00 5.20 78.06 0.00 13-Jun-11 15 21,792 0.00 0.00 8.54 0.00 11.06 11.36 0.00 13-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 13-Jun-11 15 21,792 0.00 0.00 5.33 19.29 5.60 0.00 13-Jun-11 15 21,792 0.00 0.00 0.00 5.20 78.06 0.00 13-Jun-11 15 21,792 0.00 0.00 0.00 5.20 78.06 0.00 0.30-May-11 18 11 11 11 11 11 11 11 11 11 11 11 1								
14-Feb-11								
21-Feb-11								
28-Feb-11								
7-Mar-11 17 24,047 601.66 54.15 0.00 0.00 60.17 14-Mar-11 16 22,697 416.45 104.11 160.90 32.18 92.75 21-Mar-11 11 16,073 44.23 160.85 41.55 0.00 0.00 28-Mar-11 22 30,961 85.21 247.88 178.17 0.00 139.43 1-Apr-11 13 18,457 5.08 140.08 0.00 44.64 101.60 11-Apr-11 24 34,105 7.96 7.96 7.96 159.28 0.00 0.00 18-Apr-11 17 24,426 0.00 0.00 63.15 185.38 0.00 25-Apr-11 17 24,426 0.00 0.00 63.15 185.38 0.00 25-Apr-11 17 24,426 0.00 0.00 8.96 34.61 0.00 2-May-11 18 25,408 0.00 0.00 8.96 34.61 0.00 2-May-11 14 20,153 0.00 0.00 7.28 355.51 8.80 16-May-11 14 20,153 0.00 0.00 7.28 355.51 8.80 30-May-11 16 22,807 0.00 0.00 5.20 78.06 0.00 6-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 13-Jun-11 25 35,834 0.00 152.41 0.00 11.06 11.36 20-Jun-11 10 14,877 0.00 64.52 3.72 62.04 0.00 27-Jun-11 8 11,016 0.00 5.33 19.29 5.60 5.51 11-Jul-11 14 20,135 0.00 0.00 0.00 0.00 10.06 11.36 11-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 17 25,013 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 17 25,013 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 0.00 25-Jul-11 17 25,013 0.00 0.00 0.00 0.00 0.00 0.00 0.00 25-Jul-11 17 25,013 0.00 0.00 0.00 0.00 0.00 0.00 0.00 25-Jul-11 17 25,013 0.00 0.00 0.00 0.00 0.00 0.00 0.00 22-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 15-Sep-11 22 31,410 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0								
14-Mar-11								
21-Mar-11								
28-Mar-11 22 30,961 85,21 247,88 178,17 0.00 139,43 4-Apr-11 13 18,457 5.08 140,08 0.00 44.64 101,60 11-Apr-11 24 34,105 7.96 159,28 0.00 0.00 18-Apr-11 17 24,426 0.00 0.00 63,15 185,38 0.00 25-Apr-11 17 24,408 0.00 0.00 63,15 185,38 0.00 2-May-11 18 25,408 0.00 0.00 61,45 1229,03 0.00 9-May-11 14 20,299 0.00 0.00 728 355,51 8.80 16-May-11 14 20,153 0.00 0.00 728 355,51 8.80 16-May-11 14 20,153 0.00 0.00 0.00 110.88 0.00 30-May-11 16 22,807 0.00 0.00 0.00 10.08 0.00 3-Jul-11								
## Apr-11								
11-Apr-11								
18-Apr-11								
25-Apr-11 17 24,408 0.00 0.00 8.96 34,61 0.00 2-May-11 18 25,408 0.00 0.00 0.00 61,45 129.03 0.00 9-May-11 14 20,299 0.00 0.00 7.28 355.51 8.80 16-May-11 14 20,153 0.00 0.00 7.28 355.51 8.80 16-May-11 17 23,999 0.00 0.00 0.00 112,61 7.40 23-May-11 16 22,807 0.00 0.00 0.00 5.20 78.06 0.00 6-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 6-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 13-Jun-11 25 35,834 0.00 152,41 0.00 11.06 11.36 20-Jun-11 10 14,877 0.00 64.52 3.72 62.04 0.00 27-Jun-11 23 33,483 0.00 145,21 8.38 139,62 0.00 4-Jul-11 8 11,016 0.00 5.33 19,29 5.60 5.51 1-Jul-11 14 20,135 0.00 0.00 0.00 0.00 5.88 0.00 1.8-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 0.00 25-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0								
2-May-11 18 25,408 0.00 0.00 61.45 1229.03 0.00 9-May-11 14 20.299 0.00 0.00 7.28 355.51 8.80 16-May-11 14 20.153 0.00 0.00 0.00 112.61 7.40 23-May-11 17 23.999 0.00 0.00 5.20 78.06 0.00 30-May-11 16 22,807 0.00 0.00 0.00 10.08 0.00 6-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 13-Jun-11 25 35,834 0.00 152.41 0.00 11.06 11.36 20-Jun-11 10 14,877 0.00 64.52 3.72 62.04 0.00 27-Jun-11 23 33,483 0.00 145.21 8.38 139.62 0.00 4-Jul-11 8 11,016 0.00 5.33 19.29 5.60 5.51 11-Jul-								
9-May-11 14 20,299 0.00 0.00 7.28 355.51 8.80 16-May-11 14 20,153 0.00 0.00 0.00 112.61 7.40 23-May-11 17 23,999 0.00 0.00 5.20 78.06 0.00 30-May-11 16 22,807 0.00 0.00 0.00 10.08 0.00 6-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 13-Jun-11 25 35,834 0.00 152,41 0.00 11.06 11.36 20-Jun-11 10 14,877 0.00 64,52 3.72 62.04 0.00 27-Jun-11 23 33,483 0.00 145,21 8.38 139.62 0.00 4-Jul-11 8 11,016 0.00 5.33 19,29 5.60 5.51 11-Jul-11 14 20,135 0.00 0.00 0.00 5.88 0.00 11-Jul-11<								
16-May-11								
23-May-11								
30-May-11	16-May-11		20,153	0.00	0.00		112.61	7.40
6-Jun-11 15 21,792 0.00 0.00 8.54 0.00 0.00 13-Jun-11 25 35,834 0.00 152,41 0.00 11.06 11.36 20-Jun-11 10 14,877 0.00 64.52 3.72 62.04 0.00 27-Jun-11 23 33,483 0.00 145.21 8.38 139,62 0.00 4-Jul-11 8 11,016 0.00 5.33 19.29 5.60 5.51 11-Jul-11 14 20,135 0.00 0.00 0.00 0.00 5.88 0.00 18-Jul-11 15 21,949 0.00	23-May-11	17	23,999	0.00	0.00	5.20	78.06	0.00
13-Jun-11 25	30-May-11	_16		0.00	0.00			
20-Jun-11		15	21,792	0.00	0.00	8.54	0.00	0.00
27-Jun-11 23 33,483 0.00 145.21 8.38 139.62 0.00 4-Jul-11 8 11,016 0.00 5.33 19.29 5.60 5.51 11-Jul-11 14 20,135 0.00 0.00 0.00 5.88 0.00 18-Jul-11 15 21,949 0.00 <td>13-Jun-11</td> <td>25</td> <td>35,834</td> <td>0.00</td> <td>152.41</td> <td>0.00</td> <td>11.06</td> <td>11.36_</td>	13-Jun-11	25	35,834	0.00	152.41	0.00	11.06	11.36_
4-Jul-11 8 11,016 0.00 5.33 19.29 5.60 5.51 11-Jul-11 14 20,135 0.00 0.00 0.00 5.88 0.00 18-Jul-11 15 21,949 0.00 1.00 0.00	20-Jun-11	10	14,877	0.00	64.52	3.72		0.00
11-Jul-11 14 20,135 0.00 0.00 0.00 5.88 0.00 18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 25-Jul-11 15 21,917 0.00 0.00 0.00 0.00 0.00 1-Aug-11 11 15,806 0.00 0.00 0.00 0.00 0.00 8-Aug-11 17 25,013 0.00 0.00 0.00 0.00 0.00 15-Aug-11 12 17,755 0.00 65,15 0.00 0.00 0.00 22-Aug-11 15 21,929 0.00 64,27 8.60 0.00 0.00 29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11	27-Jun-11	23	33,483	0.00	145.21	8.38	139.62	0.00
18-Jul-11 15 21,949 0.00 0.00 0.00 0.00 0.00 25-Jul-11 15 21,917 0.00 0.00 0.00 0.00 0.00 1-Aug-11 11 15,806 0.00 0.00 0.00 0.00 0.00 8-Aug-11 17 25,013 0.00 0.00 0.00 0.00 0.00 15-Aug-11 12 17,755 0.00 65.15 0.00 0.00 0.00 22-Aug-11 15 21,929 0.00 14.27 8.60 0.00 0.00 29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 30.00 34.76 0.00 26-Sep-11	4-Jul-11	8	11,016	0.00	5.33	19.29	5.60	5.51
25-Jul-11 15 21,917 0.00 0.00 0.00 0.00 0.00 1-Aug-11 11 15,806 0.00 0.00 0.00 0.00 0.00 8-Aug-11 17 25,013 0.00 0.00 0.00 0.00 0.00 15-Aug-11 12 17,755 0.00 65.15 0.00 0.00 0.00 22-Aug-11 15 21,929 0.00 14.27 8.60 0.00 0.00 29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20	11-Jul-11	14	20,135	0.00	0.00	. 0.00	5.88	0.00
1-Aug-11 11 15,806 0.00	18-Jul-11	_15	21,949	0.00	0.00	0.00	0.00	0.00
8-Aug-11 17 25,013 0.00 0.00 0.00 0.00 0.00 15-Aug-11 12 17,755 0.00 65.15 0.00 0.00 0.00 22-Aug-11 15 21,929 0.00 14.27 8.60 0.00 0.00 29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct	25-Jul-11	15	21,917	0.00	0.00	0.00	0.00	0.00
15-Aug-11 12 17,755 0.00 65.15 0.00 0.00 0.00 22-Aug-11 15 21,929 0.00 14.27 8.60 0.00 0.00 29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 26-Sep-11 20 29,305 46.44 46.44 0.00 0.00 12.22 <td< td=""><td>1-Aug-11</td><td>11</td><td>15,806</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td></td<>	1-Aug-11	11	15,806	0.00	0.00	0.00	0.00	0.00
22-Aug-11 15 21,929 0.00 14.27 8.60 0.00 0.00 29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 26-Sep-11 20 29,305 46.44 46.44 0.00 34.76 0.00 3-Oct-11 20 29,325 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1	8-Aug-11	17	25,013	0.00	0.00	0.00	0.00	0.00
29-Aug-11 18 25,718 0.00 34.32 27.88 8.15 5.36 5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 1	15-Aug-11		17,755	0.00	65.15	0.00	0.00	0.00
5-Sep-11 16 23,016 0.00 0.00 28.79 13.05 0.00 12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-	22-Aug-11	15	21,929	0.00	14.27	8.60	0.00	0.00
12-Sep-11 22 31,410 0.00 0.00 65.49 49.77 0.00 19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 <	29-Aug-11	18	25,718	0.00	34.32	27.88	8.15	5.36
19-Sep-11 25 36,380 0.00 0.00 0.00 910.22 0.00 26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11		16	23,016	0.00	0.00	28.79	13.05	0.00
26-Sep-11 29 41,681 52.14 173.81 0.00 34.76 0.00 3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 5.06 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 14-Dec-11 23 33,481 0.00 0.00 0.00 7.50 0.00	12-Sep-11	22	31,410	0.00	0.00	65.49	49.77	0.00
3-Oct-11 20 29,305 46.44 46.44 0.00 0.00 12.22 10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 14-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 19-Dec-11 18 26,455 0.00 0.00 0.00 0.00 0.00 19-Dec-11 <td></td> <td>25</td> <td></td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>910.22</td> <td>0.00</td>		25		0.00	0.00	0.00	910.22	0.00
10-Oct-11 21 29,825 0.00 97.01 19.90 0.00 54.72 17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	26-Sep-11	29	41,681	52.14	173.81	0.00	34.76	0.00
17-Oct-11 15 21,706 0.00 41.64 39.83 0.00 27.15 24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	3-Oct-11	20	29,305	46.44	46.44	0.00	0.00	12.22
24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	10-Oct-11	21	29,825		97.01	19.90	0.00	54.72
24-Oct-11 15 21,011 36.80 0.00 0.00 28.04 0.00 1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	17-Oct-11	15	21,706	0.00	41.64	39.83	0.00	27.15
1-Nov-11 17 23,964 0.00 0.00 12.59 25.98 0.00 14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	24-Oct-11	15	21,011		0.00	0.00	28.04	0.00
14-Nov-11 6 8,820 0.00 0.00 0.00 0.00 0.00 21-Nov-11 11 15,157 0.00 0.00 0.00 4.05 0.00 28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00							25.98	0.00
28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	14-Nov-11	6	8,820	0.00	0.00	0.00	0.00	0.00
28-Nov-11 14 19,584 0.00 0.00 0.00 5.06 0.00 7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00	21-Nov-11	11	15,157	0.00	0.00	0.00	4.05	0.00
7-Dec-11 23 33,481 0.00 0.00 0.00 64.22 0.00 14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00						0.00	5.06	0.00
14-Dec-11 18 26,455 0.00 0.00 0.00 7.50 0.00 19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00								0.00
19-Dec-11 19 27,199 0.00 0.00 0.00 0.00 0.00								
							7.17	

5-Sep-11	0	0	150	68	0
12-Sep-11	0	0	250	190	0
19-Sep-11	0	0	0	3000	0
26-Sep-11	150	500	0	100	0
3-Oct-11	190	190	0	0	50
10-Oct-11	0	390	80	0	220
17-Oct-11	0	230	220	0	150
24-Oct-11	210	0	0	160	0
1-Nov-11	0	0	63	130	0
14-Nov-11	0	0	0	0	0
21-Nov-11	0	0	0	32	0
28-Nov-11	0	0	0	31	0
7-Dec-11	0	0	0	230	0
14-Dec-11	0	0	0	34	0
19-Dec-11	0	0	0	0	0
26-Dec-11	26	0	Ω	46	0

MH1 Testing Page 1

VAN MARK CHEMICAL INC. JANUARY 2011 FLOWS AND ANALYTICAL

			Un	it 1	U	nit 2]			
								Detection	Mass	Mass
			1				Detection	Limit	loading	loading
DATE	MAX Daily	GPD	мсв	Toluene	MCB	Toluene	Limit MCB	Toluene	MCB	Toluene
LIMIT	Flow GPM		ug/l	ug/l	ug/l	ppb		i didelle	lbs/day	lbs/day
3-Jan-11	12	17,486	ND	500	28.6	31.8	50	50	0.0042	0.0046
24-Jan-11	15	22,042	6720	1200	101	18.3	7.1	25	0.0186	0.0034
31-Jan-11	17	24,746	<100	<100	ND	ND	7.1	4.9	0.0015	0.0010
14-Feb-11	11	15,624	110	22.7	ND	ND	7.1	4.9	0.0009	0.0006
28-Feb-11	20	29,301	1330.00	6030	44.5	162	7.1	4.9	0.0109	0.0396
14-Mar-11	16	22,697	12.5	65.4	18.5	14.1	7.1	4.9	0.0035	0.0027
11-Apr-11	24	34,105	164	49.8	18.7	ND	7.1	4.9	0.0053	0.0014
18-Apr-11	17	24,426	412	148	274	51.7	7.1	4.9	0.0558	0.0105
9-May-11	14	20,299	1075	65800	1220	196	7.1	4.9	0.2065	0.0332
16-May-11	14	20,153	446	1670	44.3	18.4	25	25	0.0074	0.0031
23-May-11	17	23,999	481	13200	90	32.2	7.1	4.9	0.0180	0.0064
6-Jun-11	15	21,792	3401	8181	23	63.5	7.1	4.9	0.0042	0.0115
20-Jun-11	10	14,877	28200	13200	ND	23.1	7.1	100	0.0009	0.0029
4-Jul-11	8	11,016	<200	868	29.8	15.8	7.1	4.9	0.0027	0.0015
25-Jul-11	15	21,917	23	17	ND	66	7.1	4.9	0.0013	0.0121
1-Aug-11	1 <u>1</u>	15,806	ND	33.4	ND	ND	4.9	4.9	0.0006	0.0006
15-Aug-11	12	17,755	ND	ND			7.1	4.9	0.0000	0.0000
29-Aug-11	18	25,718	80300.00	1189	28	20.2	4.9	4.9	0.0060	0.0043
13-Sep-11	24	34,281	117000.00	7310.00	44.20	161.00	4.9	4.9	0.0126	0.0460
27-Sep-11	24	34,966	124.00	1270.00	0.00	1570.00	4.9	4.9	0.0000	0.4578
4-Oct-11	20	29,304	577.00	13500.00	0.00	11.40	7.1	4.9	0.0000	0.0028
11-Oct-11	19	28,040	58.20	32.10	141.00	10.20	4.9	4.9	0.0330	0.0024
25-Oct-11	16	23,629	60.60	6.64	15.40	7.05	4.9	4.9	0.0030	0.0014
22-Nov-11	6	9,079	483.00	143.00	751.00	870.00	4.9	4.9	0.0569	0.0659
29-Nov-11	15	21,241	373.00	186.00	351.00	1450.00	4.9	4.9	0.0622	0.2569
6-Dec-11	32	45,954	7670.00	4860.00	14.60	26.70	4.9	4.9	0.0056	0.0102
20-Dec-11	20	29,493	111.00	1250.00	ND	ND	4.9	4.9	0.0012	0.0012

13-Sep-11	117000	7310	44.2	161
27-Sep-11	124	1270	0	1570
4-Oct-11	577	13500	0	11.4
11-Oct-11	58.2	32.1	141	10.2
25-Oct-11	60.6	6.64	15.4	7.05
22-Nov-11	483	143	751	870
29-Nov-11	373	186	351	1450
6-Dec-11	7670	4860	14.6	26.7
20-Dec-11	111	1250	0	0

VanDeMark - Semi Annual WWTP Results

2nd Semi Annual Report - 2003

Revised: 12/8/03...File - vdmpdc\data\safetyenv\wwtp\semi 2003-2

I. FLOWS

see attached flow report. All days are included.

<u>II. pH</u>	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03
% COMPLIANCE	99.76%	99.72%	99.51%	99.98%	99.85%	100.00%

III. OTHER PARAMETERS - MASS LIMITS

	15-Jul-03	15-Jul-03	15-Jul-03	16-Jul-03	16-Jul-03	16-Jul-03	CITY AVG.	VDM	VDM	CITY MAX
•	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY
ACENAPHTHENE	0.018	4.2	0.0006	0.022	4.8	0.0009	0.015	0.0007	0.0009	0.037
ANTHRACENE	0.018	3.7	0.0005	0.022	3.7	0.0007	0.015	0.0006	0.0007	0.037
BENZENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.045	8000.0	0.0009	0.106
BIS(2-ETHYLHEXYL) PHALATE	0.018	2.7	0.0004	0.022	2.7	0.0005	0.075	0.0004	0.0005	0.204
CARBON TETRACHLORIDE	0.018	5.0	0.0007	0.022	6.4	0.0012	0.113	0.0009	0.0012	0.301
CHLOROBENZENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.113	0.0008	0.0009	0.301
CHLOROETHANE	0.018	5.0	0.0007	0.022	7.6	0.0014	0.087	0.0011	0.0014	0.234
CHLOROFORM	0.018	5.0	0.0007	0.022	5.0	0.0009	0.088	0.0008	0.0009	0.257
CHLOROMETHANE	0.018	5.0	0.0007	0.022	6.4	0.0012	0.087	0.0009	0.0012	0.234
D!-N-BUTYL PHTHALATE	0.018	4.2	0.0006	0.022	4.2	0.0008	0.016	0.0007	0.0008	0.034
1,2-DICHLOROBENZENE	0.018	4.4	0.0006	0.022	4.4	0.0008	0.155	0.0007	0.0008	0.629
1,3-DICHLOROBENZENE	0.018	4.2	0.0006	0.022	4.0	0.0007	0.113	0.0007	0.0007	0.301
1,4-DICHLOROBENZENE	0.018	4.4	0.0006	0.022	4.4	0.0008	0.113	0.0007	0.0008	0.301
1,1-DICHLOROETHANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.017	0.0008	0.0009	0.047
1,2-DICHLOROETHANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.143	0.0008	0.0009	0.455
1,1-DICHLOROETHENE	0.018	5.0	0.0007	0.022	7.1	0.0013	0.017	0.0010	0.0013	0.048
1,2-TRANS-DICHLOROETHENE	0.018	10.0	0.0015	0.022	13.0	0.0024	0.02	0.0019	0.0024	0.052
1,2-DICHLOROPROPANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.155	0.0008	0.0009	0.629
1,3-DICHLOROPROPENE	0.018	5.0	0.0007	0.022	5.1	0.0009	0.155	0.0008	0.0009	0.629
DIETHYL PHTHALATE	0.018	5.4	0.0008	0.022	5.4	0.0010	0.036	0.0009	0.0010	0.09
DIMETHYL PHTHALATE	0.018	6.8	0.0010	0.022	6.8	0.0012	0.015	0.0011	0.0012	0.037
4,6-DINITRO-2-METHYLPHENOL	0.018	24.0	0.0035	0.022	24.0	0.0044	0.062	0.0039	0.0044	0.219
ETHYLBENZENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.113	0.0008	0.0009	0.301
FLUORANTHENE	0.018	4.0	0.0006	0.022	4.0	0.0007	0.017	0.0007	0.0007	0.043
FLUORENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.015	0.0008	0.0009	0.037
HEXACHLOROBENZENE	0.018	3.4	0.0005	0.022	3.4	0.0006	0.115	0.0006	0.0006	0.629
HEXACHLOROBUTADIENE	0.018	5.2	0.0008	0.022	5.2	0.0009	0.113	0.0009	0.0009	0.301

	15-Jul-03	15-Jul-03	15-Jul-03	16-Jul-03	16-Jul-03	16-Jul-03	CITY AVG.	VDM	VDM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY
HEXACHLOROETHANE	0.018	5.4	0.0008	0.022	5.4	0.0010	0.155	0.0009	0.0010	0.629
METHYLENE CHLORIDE	0.018	7.0	0.0010	0.022	14.0	0.0026	0.029	0.0018	0.0026	0.135
NAPHTHALENE	0.018	4.0	0.0006	0.022	4.0	0.0007	0.015	0.0007	0.0007	0.037
NITRO BENZENE	0.018	2.9	0.0004	0.022	2.9	0.0005	1.772	0.0005	0.0005	5.072
2-NITROPHENOL	0.018	3.6	0.0005	0.022	3.6	0.0007	0.051	0.0006	0.0007	0.183
4-NITROPHENOL	0.018	5.9	0.0009	0.022	5.9	0.0011	0.128	0.0010	0.0011	0.456
PHENANTHRENE	0.018	5.4	0.0008	0.022	5.4	0.0010	0.015	0.0009	0.0010	0.037
PYRENE	0.018	4.1	0.0006	0.022	4.1	0.0007	0.016	0.0007	0.0007	0.038
TETRACHLOROETHENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.041	0.0008	0.0009	0.13
TOLUENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.022	0.0008	0.0009	0.059
1,2,4-TRICHLOROBENZENE	0.018	4.1	0.0006	0.022	4.1	0.0007	0.155	0.0007	0.0007	0.629
1,1,1-TRICHLOROETHANE	0.018	5.0	0.0007	0.022	5.2	0.0009	0.017	0.0008	0.0009	0.047
1,1,2-TRICHLOROETHANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.025	0.0008	0.0009	0.101
TRICHLOROETHENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.021	0.0008	0.0009	0.055
VINYL CHLORIDE	0.018	. 5.0	0.0007	0.022	5.7	0.0010	0.077	0.0009	0.0010	0.136

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VanDeMark - Semi Annual WWTP Results

2nd Semi Annual Report - 2003
Revised: 12/8/03...File - vdmpdc\data\safetyenv\wwtp\semi 2003-2

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	15-Jul-03		16-Jul-03			
LEAD	0.01	mg/l	0.01	mg/l	U	G/L
ZINC	0.06	MG/L	0.067	MG/L	М	G/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L	М	IG/L
TOTAL CYANIDE	0.001	# / DAY (0.124)	0.002	# / DAY (0.124)	# .	/ DAY (0.124
COD	962	MG/L	917	MG/L	M	G/L
PHENOLICS	0.01	MG/L	0.01	MG/L	M	G/L
PHOSPHOROUS	0.57	MG/L	0.43	MG/L	M	G/L
TOTAL SUSPENDED SOLIDS	30	MG/L	38	MG/L	M	G/L

VanDeMark - Semi Annual Flow readings - 6/2003 - 11/2003

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
1-Jun-03	22729	1-Jul-03	20588	1-Aug-03	18852	1-Sep-03	21649	1-Oct-03		1-Nov-03	18912
2-Jun-03	19694	2-Jul-03	22791	2-Aug-03		2-Sep-03	18770	2-Oct-03		2-Nov-03	15890
3-Jun-03	28658	3-Jul-03	19472	3-Aug-03	15828	3-Sep-03	15828	3-Oct-03		3-Nov-03	18632
4-Jun-03	31070	4-Jul-03	9134	4-Aug-03	22955	4-Sep-03	22955	4-Oct-03		4-Nov-03	23725
5-Jun-03	20727	5-Jul-03	9363	5-Aug-03	23446	5-Sep-03	23446	5-Oct-03		5-Nov-03	21521
6-Jun-03	13766	6-Jul-03	14108	6-Aug-03		6-Sep-03	9118	6-Oct-03		6-Nov-03	18823
7-Jun-03	22841	7-Jul-03	20451	7-Aug-03		7-Sep-03	12160	7-Oct-03		7-Nov-03	17921
8-Jun-03	24541	8-Jul-03	17808	8-Aug-03		8-Sep-03	29853	8-Oct-03	24037	8-Nov-03	18170
9-Jun-03	30079	9-Jul-03	18908	9-Aug-03		9-Sep-03	20547	9-Oct-03		9-Nov-03	20398
10-Jun-03	34232	10-Jul-03	13215	10-Aug-03	11122	10-Sep-03	32000	10-Oct-03	18942	10-Nov-03	15908
11-Jun-03	22592	11-Jul-03	29062	11-Aug-03	9952	11-Sep-03	28237	11-Oct-03	25533	11-Nov-03	32736
12-Jun-03	22951	12-Jul-03	25771	12-Aug-03	11800	12-Sep-03	25239	12-Oct-03	18787	12-Nov-03	23266
13-Jun-03	25240	13-Jul-03	16710	13-Aug-03	6807	13-Sep-03	23717	13-Oct-03	23556	13-Nov-03	15909
14-Jun-03	16210	14-Jul-03	17263	14-Aug-03		14-Sep-03	28961	14-Oct-03	15707	14-Nov-03	33825
15-Jun-03	17212	15-Jul-03	17593	15-Aug-03	17413	15-Sep-03	25677	15-Oct-03	24895	15-Nov-03	49446
16-Jun-03	34155	16-Jul-03	21849	16-Aug-03	13293	16-Sep-03	63742	16-Oct-03	16131	16-Nov-03	43559
17-Jun-03	24927	17-Jul-03	24663	17-Aug-03	20118	17-Sep-03	44485	17-Oct-03	6974	17-Nov-03	46756
18-Jun-03	19237	18-Jul-03	21204	18-Aug-03	21962	18-Sep-03	25779	18-Oct-03	11863	18-Nov-03	60998
19-Jun-03	17896	19-Jul-03	26340	19-Aug-03	16643	19-Sep-03	18674	19-Oct-03	19860	19-Nov-03	48450
20-Jun-03	17426	20-Jul-03	18818	20-Aug-03	10423	20-Sep-03	15532	20-Oct-03	20040	20-Nov-03	44888
21-Jun-03	14792	21-Jul-03	15561	21-Aug-03	12800	21-Sep-03	17438	21-Oct-03	15766	21-Nov-03	44109
22-Jun-03	16320	22-Jul-03	20136	22-Aug-03	20539	22-Sep-03	0	22-Oct-03	27631	22-Nov-03	21026
23-Jun-03	15089	23-Jul-03	23983	23-Aug-03	18542	23-Sep-03	1912	23-Oct-03	21465	23-Nov-03	19288
24-Jun-03	20573	24-Jul-03	10477	24-Aug-03	17719	24-Sep-03	24816	24-Oct-03	22142	24-Nov-03	38209
25-Jun-03	17025	25-Jul-03	9403	25-Aug-03	20171	25-Sep-03	10764	25-Oct-03	15012	25-Nov-03	38209
26-Jun-03	11131	26-Jul-03	16742	26-Aug-03	40912	26-Sep-03	10324	26-Oct-03	23036	26-Nov-03	38209
27-Jun-03	16322	27-Jul-03	15263	27-Aug-03	24081	27-Sep-03	10062	27-Oct-03	21903	27-Nov-03	38209
28-Jun-03	25980	28-Jul-03	22744	28-Aug-03	23149	28-Sep-03	9711	28-Oct-03	23392	28-Nov-03	40509
29-Jun-03	26355	29-Jul-03	18818	29-Aug-03	19387	29-Sep-03	5000	29-Oct-03	20742	29-Nov-03	40548
30-Jun-03	15988	30-Jul-03	42866	30-Aug-03	20935	30-Sep-03	5000	30-Oct-03	15419	30-Nov-03	43423
		31-Jul-03	16250	31-Aug-03	20436			31-Oct-03	17844		
Total	645,758		597,355		521,941		601,395		678,809		951,471
Average	20,831		18,560		16,717	-	20,046		22,032		31,716
, troidge	20,001		10,000		10,7.17		20,010				
Maximum	34,232		29,062		40,912		63,742		84,435		60,998
WANTUITI	34,202		20,002		40,012		00,712		01,100		

ISOCHEM Inc - Semi Annual WWTP Results NEW LIMITS USED

1st Semi Annual Report - 2004

Revised:6/22/04...File - vdmpdc\data\safetyenv\wwtp\semi 2004-1

<u>I. FLOWS</u>			
see attached flow report. All days are	included.		

II. pH	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04
% COMPLIANCE	99.40%	99.95%	99.86%	99.97%	99.99%	99.96%

III. OTHER PARAMETERS - MASS LIMITS

	21-Jan-04	21-Jan-04	21-Jan-04	22-Jan-04	22-Jan-04		CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
ACENAPHTHENE	0.025	4.9	0.0010	0.018	4.8	0.0007	0.007	0.0009	0.0010	0.018
ANTHRACENE	0.025	6.4	0.0013	0.018	6.3	0.0010	0.007	0.0012	0.0013	0.018
BENZENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.022	0.0009	0.0011	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.025	5.0	0.0011	0.018	4.9	0.0008	0.036	0.0009	0.0011	0.099
CARBON TETRACHLORIDE	0.025	5.0	0.0011	0.018	6.4	0.0010	0.054	0.0010	0.0011	0.146
CHLOROBENZENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.054	0.0009	0.0011	0.146
CHLOROETHANE	0.025	5.0	0.0011	0.018	7.6	0.0012	0.042	0.0011	0.0012	0.113
CHLOROFORM	0.025	5.0	0.0011	0.018	5.0	0.0008	0.043	0.0009	0.0011	0.125
CHLOROMETHANE	0.025	5.0	0.0011	0.018	6.4	0.0010	0.042	0.0010	0.0011	0.113
DI-N-BUTYL PHTHALATE	0.025	7.7	0.0016	0.018	7.6	0.0012	0.008	0.0014	0.0016	0.016
1,2-DICHLOROBENZENE	0.025	3.2	0.0007	0.018	3.1	0.0005	0.075	0.0006	0.0007	0.305
1,3-DICHLOROBENZENE	0.025	2.8	0.0006	0.018	2.8	0.0004	0.054	0.0005	0.0006	0.146
1,4-DICHLOROBENZENE	0.025	4.4	0.0009	0.018	4.4	0.0007	0.054	0.0008	0.0009	0.146
1,1-DICHLOROETHANE	0.025	5.0	0.0011	0.018	7.1	0.0011	0.008	0.0011	0.0011	0.023
1,2-DICHLOROETHANE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.069	0.0009	0.0011	0.22
1,1-DICHLOROETHENE	0.025	5.0	0.0011	0.018	7.1	0.0011	0.008	0.0011	0.0011	0.023
1,2-TRANS-DICHLOROETHENE	0.025	5.0	0.0011	0.018	6.0	0.0009	0.010	0.0010	0.0011	0.025
1,2-DICHLOROPROPANE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.075	0.0009	0.0011	0.305
1,3-DICHLOROPROPENE	0.025	5.0	0.0011	0.018	5.5	0.0008	0.075	0.0009	0.0011	0.305
DIETHYL PHTHALATE	0.025	6.4	0.0013	0.018	6.3	0.0010	0.018	0.0012	0.0013	0.043
DIMETHYL PHTHALATE	0.025	5.8		0.018	5.7	0.0009	0.007	0.0010	0.0012	0.018
4,6-DINITRO-2-METHYLPHENOL	0.025	24.0	0.0050	0.018	24.0	0.0037	0.030	0.0044	0.0050	0.106
ETHYLBENZENE	0.025	5.0		0.018	5.0	0.0008	0.054	0.0009	0.0011	0.146
FLUORANTHENE	0.025	7.7	0.0016	0.018	7.6	0.0012	0.008	0.0014	0.0016	0.021
FLUORENE	0.025	7.0	0.0015	0.018	6.9	0.0011	0.007	0.0013	0.0015	0.018

	21-Jan-04	21-Jan-04	21-Jan-04	22-Jan-04	22-Jan-04	22-Jan-04	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN # / DAY	IN#/DAY	IN #/DAY*
HEXACHLOROBENZENE	0.025	6.7	0.0014	0.018	6.6	0.0010	0.075	0.0012	0.0014	0.305
HEXACHLOROBUTADIENE	0.025	2.7	0.0006	0.018	2.7	0.0004	0.054	0.0005	0.0006	0.146
HEXACHLOROETHANE	0.025	2.4	0.0005	0.018	2.3	0.0004	0.075		0.0005	0.305
METHYLENE CHLORIDE	0.025	7.0	0.0015	0.018	14.0	0.0022	0.014	0.0018	0.0022	0.065
NAPHTHALENE	0.025	3.4	0.0007	0.018	3.4	0.0005	0.007	0.0006	0.0007	0.018
NITRO BENZENE	0.025	2.8	0.0006	0.018	2.8	0.0004	0.858	0.0005	0.0006	2.456
2-NITROPHENOL	0.025	3.6	0.0008	0.018	3.6	0.0006	0.025	0.0007	0.0008	0.089
4-NITROPHENOL	0.025	7.1	0.0015	0.018	7.0	0.0011	0.062	0.0013	0.0015	0.221
PHENANTHRENE	0.025	7.3	0.0015	0.018	7.2	0.0011	0.007	0.0013	0.0015	0.018
PYRENE	0.025	5.8	0.0012	0.018	5.7	0.0009	0.008	0.0010	0.0012	0.018
TETRACHLOROETHENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.020	0.0009	0.0011	0.063
TOLUENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.011	0.0009	0.0011	0.028
1,2,4-TRICHLOROBENZENE	0.025	2.8	0.0006	0.018	2.8	0.0004	0.075	0.0005	0.0006	0.305
1,1,1-TRICHLOROETHANE	0.025	5.0	0.0011	0.018	5.2	0.0008	0.008	0.0009	0.0011	0.023
1,1,2-TRICHLOROETHANE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.012	0.0009	0.0011	0.049
TRICHLOROETHENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.010		0.0011	0.026
VINYL CHLORIDE	0.025	5.0	0.0011	0.018	5.7	0.0009	0.037	0.0010	0.0011	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

ISOCHEM Inc - Semi Annual WWTP Results

1st Semi Annual Report - 2004

Revised:6/22/04...File - vdmpdc\data\safetyenv\wwtp\semi 2004-1

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	21-Jan-04		22-Jan-04	
LEAD	0.006	mg/l	0.006	mg/l
ZINC	0.046	MG/L	0.094	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.002	# / DAY (0.124)	0.002	# / DAY (0.124)
COD	767	MG/L	425	MG/L
PHENOLICS	0.032	MG/L	0.022	MG/L
PHOSPHOROUS	0.34	MG/L	0.01	MG/L
TOTAL SUSPENDED SOLIDS	17	MG/L	30	MG/L

^{*}Limits are based on new permit limits effective 6/1/04.

ISOCHEM Inc - Semi Annual Flow readings - 12/2003 - 5/2004

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
4 D	40040	4 1 04	00000	4 5-1-04	40500	4 M - 04	00574	4.4-04	20574	4 14 04	20040
1-Dec-03	43640	1-Jan-04	22296	1-Feb-04	19590	1-Mar-04	33574	1-Apr-04	33574	1-May-04	30219
2-Dec-03	41979	2-Jan-04	22883	2-Feb-04	16695	2-Mar-04	25329	2-Apr-04	25329	2-May-04	30025
3-Dec-03	37595	3-Jan-04	25053	3-Feb-04	27089	3-Mar-04	32563	3-Apr-04	32563	3-May-04	18147
4-Dec-03	43508	4-Jan-04	19750	4-Feb-04	30177	4-Mar-04	23572	4-Apr-04	23572	4-May-04	34127
5-Dec-03	36631	5-Jan-04	25976	5-Feb-04	20412	5-Mar-04	24670	5-Apr-04	24670	5-May-04	37195
6-Dec-03	32835	6-Jan-04	27509	6-Feb-04	22379	6-Mar-04	37232	6-Apr-04	37232	6-May-04	32577
7-Dec-03	18161	7-Jan-04	16744	7-Feb-04	22356	7-Mar-04	34154	7-Apr-04	34154	7-May-04	30227
8-Dec-03	33300	8-Jan-04	24711	8-Feb-04	25356	8-Mar-04	36566	8-Apr-04	36566	8-May-04	26102
9-Dec-03	40388	9-Jan-04	32872	9-Feb-04	23166	9-Mar-04	25632	9-Apr-04	25632	9-May-04	27682
10-Dec-03	36359	10-Jan-04	31408	10-Feb-04	32818	10-Mar-04	23838	10-Apr-04	23838	10-May-04	23979
11-Dec-03	45531	11-Jan-04	26098	11-Feb-04	26461	11-Mar-04	25492	11-Apr-04	25492	11-May-04	28868
12-Dec-03	47253	12-Jan-04	28275	12-Feb-04	18586	12-Mar-04	17699	12-Apr-04	17699	12-May-04	30410
13-Dec-03	45141	13-Jan-04	26981	13-Feb-04	3584	13-Mar-04	24265	13-Apr-04	24265	13-May-04	34587
14-Dec-03	42402	14-Jan-04	59696	14-Feb-04	53386	14-Mar-04	35944	14-Apr-04	35944	14-May-04	33451
15-Dec-03	52798	15-Jan-04	40161	15-Feb-04	23241	15-Mar-04	32667	15-Apr-04	32667	15-May-04	30496
16-Dec-03	56714	16-Jan-04	23484	16-Feb-04	24369	16-Mar-04	23830	16-Apr-04	23830	16-May-04	21318
17-Dec-03	59176	17-Jan-04	13067	17-Feb-04	31656	17-Mar-04	22701	17-Apr-04	22701	17-May-04	38360
18-Dec-03	47700	18-Jan-04	16468	18-Feb-04	35963	18-Mar-04	25939	18-Apr-04	25939	18-May-04	33765
19-Dec-03	38817	19-Jan-04	23300	19-Feb-04	36390	19-Mar-04	31119	19-Apr-04	31119	19-May-04	31605
20-Dec-03	48051	20-Jan-04	24838	20-Feb-04	30029	20-Mar-04	31119	20-Apr-04	31119	20-May-04	33577
21-Dec-03	17118	21-Jan-04	25227	21-Feb-04	23020	21-Mar-04	31119	21-Apr-04	31119	21-May-04	24751
22-Dec-03	68194	22-Jan-04	18424	22-Feb-04	24717	22-Mar-04	40923	22-Apr-04	40923	22-May-04	24708
23-Dec-03	33164	23-Jan-04	16914	23-Feb-04	23965	23-Mar-04	28504	23-Apr-04	28504	23-May-04	24626
24-Dec-03	18859	24-Jan-04	15784	24-Feb-04	23217	24-Mar-04	19639	24-Apr-04	19639	24-May-04	25959
25-Dec-03	14904	25-Jan-04	8692	25-Feb-04	26573	25-Mar-04	28238	25-Apr-04	28238	25-May-04	36714
26-Dec-03	16597	26-Jan-04	18158	26-Feb-04	22742	26-Mar-04	37165	26-Apr-04	37165	26-May-04	33578
27-Dec-03	19008	27-Jan-04	27081	27-Feb-04	16178	27-Mar-04	26576	27-Apr-04	26576	27-May-04	68829
28-Dec-03	19213	28-Jan-04	28416	28-Feb-04	19499	28-Mar-04	36449	28-Apr-04	36449	28-May-04	33140
29-Dec-03	28894	29-Jan-04	20288	29-Feb-04	26974	29-Mar-04	36819	29-Apr-04	36819	29-May-04	26850
30-Dec-03	28097	30-Jan-04	23204	101000		30-Mar-04	19232	30-Apr-04	19232	30-May-04	28033
31-Dec-03	26725	31-Jan-04	25010			31-Mar-04	,0202	55.47.01	10202	31-May-04	30420
3, 500 00	20,20	0, 0011-04	20010			01 11101 04				01 Way-04	00120
Total	1,138,755		758,766		730,588		872,569		872,569	1111	964,327
Average	36,734		24,502		25,193		29,086		29,086		31,130
					,		•				
Maximum	68,194		59,696		53,386		40,923		40,923		68,829

ISOCHEM Inc - Semi Annual WWTP Results NEW LIMITS USED

2ndt Semi Annual Report - 2004
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<u>I. FLOWS</u>			
see attached flow report. All days are	included.		
ood alladitod hon topota i in adjo ale	molaca.	l	

II. pH Jun-04 Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 % COMPLIANCE 99.99% 99.85% 99.85% 99.97% 99.80% 99.65%

III. OTHER PARAMETERS - MASS LIMITS

	30-Jun-04	30-Jun-04	30-Jun-04	01-Jul-04	01-Jul-04	01-Jul-04	CITY AVG.	ISOCHEM		CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD		MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN#/DAY	IN#/DAY	IN #/DAY*
ACENAPHTHENE	0.084	4.9	0.0034	0.052	4.9	0.0021	0.007		0.0034	0.018
ANTHRACENE	0.084	6.3	0.0044	0.052	6.3	0.0027	0.007	0.0036		0.018
BENZENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.022	0.0028	0.0035	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.084	4.9	0.0034	0.052	5.0	0.0021	0.036		0.0034	0.099
CARBON TETRACHLORIDE	0.084	5.0	0.0035	0.052	6.4	0.0028	0.054		0.0035	0.146
CHLOROBENZENE	0.084	5.0	0.0035	0.052	5.4	0.0023	0.054		0.0035	0.146
CHLOROETHANE	0.084	5.0	0.0035	0.052	7.6	0.0033	0.042	0.0034	0.0035	0.113
CHLOROFORM	0.084	5.0	0.0035	0.052	5.0	0.0021	0.043		0.0035	0.125
CHLOROMETHANE	0.084	5.0	0.0035	0.052	6.4	0.0028	0.042		0.0035	0.113
DI-N-BUTYL PHTHALATE	0.084	7.6	0.0053	0.052	7.7	0.0033	0.008		0.0053	0.016
1,2-DICHLOROBENZENE	0.084	3.1	0.0022	0.052	3.2	0.0014	0.075		0.0022	0.305
1,3-DICHLOROBENZENE	0.084	2.8	0.0020	0.052	2.8	0.0012	0.054		0.0020	0.146
1,4-DICHLOROBENZENE	0.084	4.4	0.0031	0.052	4.4	0.0019	0.054		0.0031	0.146
1,1-DICHLOROETHANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.008		0.0035	0.023
1,2-DICHLOROETHANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.069		0.0035	0.22
1,1-DICHLOROETHENE	0.084	5.0	0.0035	0.052	7.1	0.0031	0.008		0.0035	0.023
1,2-TRANS-DICHLOROETHENE	0.084	10.0	0.0070	0.052	13.0	0.0056	0.010		0.0070	0.025
1,2-DICHLOROPROPANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.075	0.0028	0.0035	0.305
1,3-DICHLOROPROPENE	0.084	5.0	0.0035	0.052	5.1	0.0022	0.075	0.0029	0.0035	0.305
DIETHYL PHTHALATE	0.084	6.3	0.0044	0.052	6.4	0.0028	0.018	0.0036	0.0044	0.043
DIMETHYL PHTHALATE	0.084	5.7	0.0040	0.052	5.8	0.0025	0.007	0.0032	0.0040	0.018
4,6-DINITRO-2-METHYLPHENOL	0.084	24.0	0.0169	0.052	24.0	0.0103	0.030	0.0136	0.0169	0.106
ETHYLBENZENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.054	0.0028	0.0035	0.146
FLUORANTHENE	0.084	7.6	0.0053	0.052	7.7	0.0033	0.008		0.0053	0.021
FLUORENE	0.084	6.9	0.0049	0.052	7.0	0.0030	0.007	0.0039	0.0049	0.018
HEXACHLOROBENZENE	0.084	6.6	0.0046	0.052	6.7	0.0029	0.075	0.0038	0.0046	0.305

	30-Jun-04	30-Jun-04	30-Jun-04	01-Jul-04	01-Jul-04	01-Jul-04	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	Max. Load	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN#/DAY	IN#/DAY	IN #/DAY*
HEXACHLOROBUTADIENE	0.084	2.7	0.0019	0.052	2.7	0.0012	0.054	0.0015	0.0019	0.146
HEXACHLOROETHANE	0.084	2.3	0.0016	0.052	2.4	0.0010	0.075	0.0013	0.0016	0.305
METHYLENE CHLORIDE	0.084	7.0		0.052	14.0		0.014		0.0060	0.065
NAPHTHALENE	0.084	3.4	0.0024	0.052	3.4	0.0015	0.007	0.0019	0.0024	0.018
NITRO BENZENE	0.084	2.8		0.052	2.8	0.0012	0.858		0.0020	2.456
2-NITROPHENOL	0.084	3.6	0.0025	0.052	3.6	0.0015	0.025	0.0020	0.0025	0.089
4-NITROPHENOL	0.084	7.1	0.0050	0.052	7.1	0.0031	0.062	0.0040	0.0050	0.221
PHENANTHRENE	0.084	7.2	0.0051	0.052	7.3	0.0031	0.007	0.0041	0.0051	0.018
PYRENE	0.084	5.8	0.0041	0.052	5.8	0.0025	0.008	0.0033	0.0041	0.018
TETRACHLOROETHENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.020	0.0028	0.0035	0.063
TOLUENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.011	0.0028	0.0035	0.028
1,2,4-TRICHLOROBENZENE	0.084	2.8	0.0020	0.052	2.8	0.0012	0.075	0.0016	0.0020	0.305
1,1,1-TRICHLOROETHANE	0.084	5.0	0.0035	0.052	5.2	0.0022	0.008	0.0029	0.0035	0.023
1,1,2-TRICHLOROETHANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.012	0.0028	0.0035	0.049
TRICHLOROETHENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.010	0.0028	0.0035	0.026
VINYL CHLORIDE	0.084	5.0	0.0035	0.052	5.7	0.0024	0.037	0.0030	0.0035	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

ISOCHEM Inc - Semi Annual WWTP Results

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	30-Jun-04		01-Jul-04	
LEAD	0.005	mg/l	0.005	mg/l
ZINC	0.14	MG/L	0.04	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.007	# / DAY (0.124)	0.004	# / DAY (0.124)
COD	1230	MG/L	1580	MG/L
PHOSPHOROUS	0.27	MG/L	0.01	MG/L
TOTAL SUSPENDED SOLIDS	4.0	MG/L	8.0	MG/L

^{*}Limits are based on new permit limits effective 6/1/04.

ISOCHEM Inc - Semi Annual Flow readings - 6/2004 - 11/2004

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	
1-Jun-04	41191	1-Jul-04	51522	1-Aug-04	28389	1-Sep-04	30744	1-Oct-04	11173	1-Nov-04	24256	
2-Jun-04	85706	2-Jul-04	43965	2-Aug-04	43940	2-Sep-04	28027	2-Oct-04	17519	2-Nov-04	25520	
3-Jun-04	84329	3-Jul-04	31992	3-Aug-04	68155	3-Sep-04	22144	3-Oct-04	15181	3-Nov-04	34116	
4-Jun-04	15068	4-Jul-04	35164	4-Aug-04	54436	4-Sep-04	30680	4-Oct-04	26427	4-Nov-04	21658	
5-Jun-04	8236	5-Jul-04	30927	5-Aug-04	19887	5-Sep-04	29560	5-Oct-04	30340	5-Nov-04	35685	
6-Jun-04	8641	6-Jul-04	40664	6-Aug-04	20234	6-Sep-04	28034	6-Oct-04	21086	6-Nov-04	40420	
7-Jun-04	6937	7-Jul-04	35366	7-Aug-04	19489	7-Sep-04	32907	7-Oct-04	27583	7-Nov-04	26537	
8-Jun-04	95501	8-Jul-04	31906	8-Aug-04	19600	8-Sep-04	34627	8-Oct-04	33852	8-Nov-04	25437	
9-Jun-04	25507	9-Jul-04	27281	9-Aug-04	26327	9-Sep-04	40809	9-Oct-04	25770	9-Nov-04	26410	
10-Jun-04	18510	10-Jul-04	21231	10-Aug-04	35555	10-Sep-04	32835	10-Oct-04	27990	10-Nov-04	31185	
11-Jun-04	28230	11-Jul-04	22297	11-Aug-04	34907	11-Sep-04	33265	11-Oct-04	21934	11-Nov-04	43214	
12-Jun-04	27415	12-Jul-04	22650	12-Aug-04	35771	12-Şep-04	29560	12-Oct-04	20088	12-Nov-04	27627	
13-Jun-04	28043	13-Jul-04	27435	13-Aug-04	24775	13-Sep-04	33148	13-Oct-04	22586	13-Nov-04	34411	
14-Jun-04	31382	14-Jul-04	63468	14-Aug-04	32070	14-Sep-04	36656	14-Oct-04	23431	14-Nov-04	36671	
15-Jun-04	37965	15-Jul-04	39365	15-Aug-04	28010	15-Sep-04	34780	15-Oct-04	13162	15-Nov-04	26066	
16-Jun-04	31201	16-Jul-04	32733	16-Aug-04	35199	16-Sep-04	35415	16-Oct-04	28903	16-Nov-04	28236	
17-Jun-04	32990	17-Jul-04	22492	17-Aug-04	36210	17-Sep-04	26254	17-Oct-04	24657	17-Nov-04	30219	
18-Jun-04	33385	18-Jul-04	21334	18-Aug-04	35174	18-Sep-04	23825	18-Oct-04	19994	18-Nov-04	14965	
19-Jun-04	37557	19-Jul-04	23066	19-Aug-04	36487	19-Sep-04	23407	19-Oct-04	25091	19-Nov-04	55568	
20-Jun-04	30662	20-Jul-04	35183	20-Aug-04	21840	20-Sep-04	85142	20-Oct-04	24947	20-Nov-04	22639	
21-Jun-04	26747	21-Jul-04	42280	21-Aug-04	17379	21-Sep-04	94904	21-Oct-04	18697	21-Nov-04	21358	
22-Jun-04	35124	22-Jul-04	35730	22-Aug-04	25901	22-Sep-04	89252	22-Oct-04	34937	22-Nov-04	23436	
23-Jun-04	35353	23-Jul-04	37543	23-Aug-04	33491	23-Sep-04	18902	23-Oct-04	25472	23-Nov-04	27252	
24-Jun-04	29955	24-Jul-04	33229	24-Aug-04	32644	24-Sep-04	14938	24-Oct-04	21731	24-Nov-04	20003	
25-Jun-04	31462	25-Jul-04	30239	25-Aug-04	27963	25-Sep-04	13935	25-Oct-04	22335	25-Nov-04	24887	
26-Jun-04	30846	26-Jul-04	27759	26-Aug-04	38555	26-Sep-04	17118	26-Oct-04	26125	26-Nov-04	20184	
27-Jun-04	28152	27-Jul-04	31492	27-Aug-04	18117	27-Sep-04	14142	27-Oct-04	27355	27-Nov-04	27618	
28-Jun-04	45753	28-Jul-04	33563	28-Aug-04	30053	28-Sep-04	45289	28-Oct-04	27877	28-Nov-04	23710	
29-Jun-04	54923	29-Jul-04	28703	29-Aug-04	27533	29-Sep-04	14454	29-Oct-04	28950	29-Nov-04	25578	
30-Jun-04	84299	30-Jul-04	29619	30-Aug-04	30535	30-Sep-04	9784	30-Oct-04	25352	30-Nov-04	25824	
		31-Jul-04	32412	31-Aug-04	27008			31-Oct-04	26840			
Total	1 111 067	<u> </u>	1,022,610		965,634		1,004,537		747,385		850,691	5,701,924
	1,111,067		33,123		31,288				24,018			
Average	35,841	+	33,123		31,200		33,485		24,018		28,356	31,018
Maximum	95,501		63,468		68,155		94,904		34,937		55,568	
Overall Average			31,158		+ +							
	30		31		31	-	30		31		30	183
Overall Average												31158

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I. FLOWS		
see attached flow report. All days are included.		

<u> 11. pH</u>	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05
% COMPLIANCE	100.00%	99.84%	99.96%	99.48%	99.62%	99.93%

III. OTHER PARAMETERS - MASS LIMITS

	26-Jan-05	26-Jan-05		27-Jan-05	27-Jan-05	27-Jan-05	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN#/DAY	IN#/DAY	IN #/DAY*
ACENAPHTHENE	0.031	4.9		0.056	4.8	0.0022	0.007	0.0017	0.0022	0.018
ANTHRACENE	0.031	6.4	0.0017	0.056	6.3	0.0029	0.007	0.0023	0.0029	0.018
BENZENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.022	0.0018	0.0023	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.031	5.0	0.0013	0.056	4.9	0.0023	0.036	0.0018	0.0023	0.099
CARBON TETRACHLORIDE	0.031	5.0	0.0013	0.056	6.4	0.0030	0.054	0.0021	0.0030	0.146
CHLOROBENZENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.054	0.0018	0.0023	0.146
CHLOROETHANE	0.031	5.0	0.0013	0.056	7.6	0.0035	0.042	0.0024	0.0035	0.113
CHLOROFORM	0.031	5.0	0.0013	0.056	5.0	0.0023	0.043	0.0018	0.0023	0.125
CHLOROMETHANE	0.031	5.0	0.0013	0.056	6.4	0.0030	0.042	0.0021	0.0030	0.113
DI-N-BUTYL PHTHALATE	0.031	7.7	0.0020	0.056	7.6	0.0035	0.008	0.0028	0.0035	0.016
1,2-DICHLOROBENZENE	0.031	3.2	0.0008	0.056	3.1	0.0014	0.075	0.0011	0.0014	0.305
1,3-DICHLOROBENZENE	0.031	2.8	0.0007	0.056	2.8	0.0013	0.054	0.0010	0.0013	0.146
1,4-DICHLOROBENZENE	0.031	4.4	0.0011	0.056	4.4	0.0021	0.054	0.0016	0.0021	0.146
1,1-DICHLOROETHANE	0.031	5.0	0.0013	0.056	7.1	0.0033	0.008	0.0023	0.0033	0.023
1,2-DICHLOROETHANE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.069	0.0018	0.0023	0.22
1,1-DICHLOROETHENE	0.031	31.0	0.0080	0.056	7.1	0.0033	0.008	0.0057	0.0080	0.023
1,2-TRANS-DICHLOROETHENE	0.031	5.0	0.0013	0.056	6.0	0.0028	0.010	0.0020	0.0028	0.025
1,2-DICHLOROPROPANE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.075	0.0018	0.0023	0.305
1,3-DICHLOROPROPENE	0.031	5.0	0.0013	0.056	5.5	0.0026	0.075	0.0019	0.0026	0.305
DIETHYL PHTHALATE	0.031	6.4	0.0017	0.056	6.3	0.0029	0.018	0.0023	0.0029	0.043
DIMETHYL PHTHALATE	0.031	5.8	0.0015	0.056	5.7	0.0027	0.007	0.0021	0.0027	0.018
4,6-DINITRO-2-METHYLPHENOL	0.031	24.0	0.0062	0.056	24.0	0.0112	0.030	0.0087	0.0112	0.106
ETHYLBENZENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.054	0.0018	0.0023	0.146
FLUORANTHENE	0.031	7.7	0.0020	0.056	7.6	0.0035	0.008	0.0028	0.0035	0.021
FLUORENE	0.031	7.0	0.0018	0.056	6.9	0.0032	0.007	0.0025	0.0032	0.018
HEXACHLOROBENZENE	0.031	6.7	0.0017	0.056	6.6	0.0031	0.075	0.0024	0.0031	0.305
HEXACHLOROBUTADIENE	0.031	2.7	0.0007	0.056	2.7	0.0013	0.054	0.0010	0.0013	0.146

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	26-Jan-05	26-Jan-05	26-Jan-05	27-Jan-05	27-Jan-05	27-Jan-05	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW		MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN#/DAY	IN#/DAY	IN #/DAY*
HEXACHLOROETHANE	0.031	2.4	0.0006	0.056	2.3	0.0011	0.075	0.0008	0.0011	0.305
METHYLENE CHLORIDE	0.031	7.0	0.0018	0.056	14.0	0.0065	0.014	0.0042	0.0065	0.065
NAPHTHALENE	0.031	3.4	0.0009	0.056	3.4	0.0016	0.007	0.0012	0.0016	0.018
NITRO BENZENE	0.031	2.8	0.0007	0.056	2.8	0.0013	0.858			2.456
2-NITROPHENOL	0.031	3.6	0.0009	0.056	3.6	0.0017	0.025			0.089
4-NITROPHENOL	0.031	7.1	0.0018	0.056		0.0033	0.062			0.221
PHENANTHRENE	0.031	7.3	0.0019	0.056	7.2	0.0034	0.007	0.0026	0.0034	0.018
PYRENE	0.031	5.8	0.0015	0.056	5.7	0.0027	0.008	0.0021	0.0027	0.018
TETRACHLOROETHENE	0.031	120.0	0.0310	0.056	5.0	0.0023	0.020	0.0167	0.0310	0.063
TOLUENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.011	0.0018	0.0023	0.028
1,2,4-TRICHLOROBENZENE	0.031	2.8	0.0007	0.056	2.8	0.0013	0.075	0.0010		0.305
1,1,1-TRICHLOROETHANE	0.031	5.0	0.0013	0.056	5.2	0.0024	0.008		0.0024	0.023
1,1,2-TRICHLOROETHANE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.012	0.0018	0.0023	0.049
TRICHLOROETHENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.010	0.0018	0.0023	0.026
VINYL CHLORIDE	0.031	5.0	0.0013	0.056	5.7	0.0027	0.037	0.0020	0.0027	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND. *Limits are based on new permit limits effective 6/1/04.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	26-Jan-05		27-Jan-05	
LEAD	0.005	mg/l	0.006	mg/l
ZINC	0.073	MG/L	0.058	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY (0.124)	0.005	# / DAY (0.124)
COD	3370	MG/L	2100	MG/L
PHENOLICS	0.014	MG/L	0.017	MG/L
PHOSPHOROUS	0.67	MG/L	0.43	MG/L
TOTAL SUSPENDED SOLIDS	35	MG/L	30	MG/L

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
Date	1 01 5	Daio		Date	- G, D	Date	OI D	Date		Date	OI D
1-Dec-04	38484	1-Jan-05	38140	1-Feb-05	49,923	1-Mar-05	49,939	1-Apr-05	36,786	1-May-05	20,225
2-Dec-04	35007	2-Jan-05	38880	2-Feb-05	63,414	2-Mar-05	60,059	2-Apr-05	31,687	2-May-05	20,567
3-Dec-04	33154	3-Jan-05	35147	3-Feb-05	62,969	3-Mar-05	46,688	3-Apr-05	26,125	3-May-05	45,212
4-Dec-04	27933	4-Jan-05	42733	4-Feb-05	50,101	4-Mar-05	36,400	4-Apr-05	22,731	4-May-05	29,148
5-Dec-04	32100	5-Jan-05	44364	5-Feb-05	48,495	5-Mar-05	38,102	5-Apr-05	28,774	5-May-05	33,213
6-Dec-04	32651	6-Jan-05	37549	6-Feb-05	50,427	6-Mar-05	34,231	6-Apr-05	37,145	6-May-05	20,395
7-Dec-04	38030	7-Jan-05	39712	7-Feb-05	47,861	7-Mar-05	46,401	7-Apr-05	33,107	7-May-05	24,961
8-Dec-04	38662	8-Jan-05	35356	8-Feb-05	62,512	8-Mar-05	43,612	8-Apr-05	23,317	8-May-05	29,567
9-Dec-04	39403	9-Jan-05	40991	9-Feb-05	49,834	9-Mar-05	40,513	9-Apr-05	26,297	9-May-05	25,212
10-Dec-04	36541	10-Jan-05	40542	10-Feb-05	45,473	10-Mar-05	38,577	10-Apr-05	23,166	10-May-05	34,338
11-Dec-04	30930	11-Jan-05	46630	11-Feb-05	40,783	11-Mar-05	40,187	11-Apr-05	27,697	11-May-05	37,654
12-Dec-04	38930	12-Jan-05	41493	12-Feb-05	47,956	12-Mar-05	35,046	12-Apr-05	31,450	12-May-05	40.661
13-Dec-04	31516	13-Jan-05	46001	13-Feb-05	39,996	13-Mar-05	39,825	13-Apr-05	32,622	13-May-05	33,495
13-Dec-04 14-Dec-04	43679	14-Jan-05	45839	14-Feb-05	35,349	14-Mar-05	48,846	14-Apr-05	31,635	14-May-05	25,511
15-Dec-04	45376	15-Jan-05	48239	15-Feb-05	40,492	15-Mar-05	52,733				32,053
16-Dec-04	43881	16-Jan-05	50667	16-Feb-05	45,203	16-Mar-05	75,751	15-Apr-05	21,589	15-May-05	
	38041		46834	17-Feb-05				16-Apr-05	19,131	16-May-05	27,953
17-Dec-04		17-Jan-05			42,321	17-Mar-05	54,003	17-Apr-05	24,348	17-May-05	27,329
18-Dec-04	33390	18-Jan-05	54457	18-Feb-05	45,104	18-Mar-05	45,843	18-Apr-05	21,926	18-May-05	31,519
19-Dec-04	37652	19-Jan-05	48224	19-Feb-05	50,711	19-Mar-05	47,087	19-Apr-05	22,612	19-May-05	36,247
20-Dec-04	27581	20-Jan-05	48357	20-Feb-05	74,111	20-Mar-05	46,353	20-Apr-05	22,609	20-May-05	24,897
21-Dec-04	33267	21-Jan-05	56754	21-Feb-05	34,536	21-Mar-05	39,642	21-Apr-05	25,687	21-May-05	25,663
22-Dec-04	30463	22-Jan-05	57735	22-Feb-05	29,855	22-Mar-05	69,521	22-Apr-05	19,876	22-May-05	22,656
23-Dec-04	36091	23-Jan-05	50717	23-Feb-05	48,705	23-Mar-05	38,832	23-Apr-05	22,626	23-May-05	25,240
24-Dec-04	36022	24-Jan-05	53275	24-Feb-05	61,216	24-Mar-05	38,370	24-Apr-05	18,208	24-May-05	34,611
25-Dec-04	35379	25-Jan-05	78230	25-Feb-05	48,617	25-Mar-05	36,067	25-Apr-05	24,783	25-May-05	27,072
26-Dec-04	17916	26-Jan-05	30526	26-Feb-05	45,952	26-Mar-05	23,264	26-Apr-05	34,244	26-May-05	21,553
27-Dec-04	46085	27-Jan-05	56027	27-Feb-05	42,393	27-Mar-05	25,258	27-Apr-05	30,873	27-May-05	19,650
28-Dec-04	41399	28-Jan-05	65693	28-Feb-05	38,192	28-Mar-05	35,213	28-Apr-05	21,183	28-May-05	22,813
29-Dec-04	32441	29-Jan-05	52052			29-Mar-05	49,102	29-Apr-05	23,945	29-May-05	20,287
30-Dec-04	36883	30-Jan-05	55648			30-Mar-05	49,438	30-Apr-05	21,936	30-May-05	18,391
31-Dec-04	39252	31-Jan-05	55359			31-Mar-05	43,077			31-May-05	22,233
Total	1,108,139		1,482,171		1,342,500		1,367,981		788,112		860,325
Average	35,746		47,282		47,946		44,163		26,270		27,936
Maximum	46,085		78,230		74,111		75,751		37,145		45,212

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I. FLOWS		
see attached flow report. All days are included.		

<u>II. pH</u>	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05
% COMPLIANCE	99.81%	99.77%	99.87%	99.91%	99.90%	99.80%

III. OTHER PARAMETERS - MASS LIMITS

	19-Oct-05	19-Oct-05		20-Oct-05	20-Oct-05	20-Oct-05	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN#/DAY	IN # / DAY	IN #/DAY*
ACENAPHTHENE	0.020	10.0		0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
ANTHRACENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
BENZENE	0.020	5.0		0.015	5.0	0.0006	0.022	0.0007	0.0008	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.020	2.9	0.0005	0.015	2.5	0.0003	0.036	0.0004	0.0005	0.099
CARBON TETRACHLORIDE	0.020	5.0		0.015	5.0	0.0006	0.054	0.0007	0.0008	0.146
CHLOROBENZENE	0.020	5.0		0.015	5.0	0.0006	0.054	0.0007	0.0008	0.146
CHLOROETHANE	0.020	5.0		0.015	5.0	0.0006	0.042	0.0007	0.0008	0.113
CHLOROFORM	0.020	5.0		0.015	5.0	0.0006	0.043	0.0007	0.0008	0.125
CHLOROMETHANE	0.020	5.0		0.015	6.4	0.0008	0.042	0.0008	0.0008	0.113
DI-N-BUTYL PHTHALATE	0.020	1.3	0.0002	0.015	10.0	0.0013	0.008	0.0008	0.0013	0.016
1,2-DICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
1,3-DICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.054	0.0015	0.0017	0.146
1,4-DICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.054	0.0015	0.0017	0.146
1,1-DICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.008	0.0007	0.0008	0.023
1,2-DICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.069	0.0007	0.0008	0.22
1,1-DICHLOROETHENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.008	0.0007	0.0008	0.023
1,2-TRANS-DICHLOROETHENE	0.020	10.0	0.0017	0.015	5.0	0.0006	0.010	0.0012	0.0017	0.025
1,2-DICHLOROPROPANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.075	0.0007	0.0008	0.305
1,3-DICHLOROPROPENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.075	0.0007	0.0008	0.305
DIETHYL PHTHALATE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.018	0.0015	0.0017	0.043
DIMETHYL PHTHALATE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
4,6-DINITRO-2-METHYLPHENOL	0.020	50.0	0.0084	0.015	50.0	0.0064	0.030	0.0074	0.0084	0.106
ETHYLBENZENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.054	0.0007	0.0008	0.146
FLUORANTHENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.008	0.0015	0.0017	0.021
FLUORENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
HEXACHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
HEXACHLOROBUTADIENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.054	0.0015	0.0017	0.146

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	19-Oct-05	19-Oct-05	19-Oct-05	20-Oct-05	20-Oct-05	20-Oct-05	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY*	IN#/DAY	IN#/DAY	IN #/DAY*
HEXACHLOROETHANE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
METHYLENE CHLORIDE	0.020	7.0	0.0012	0.015	7.0	0.0009	0.014	0.0010	0.0012	0.065
NAPHTHALENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
NITRO BENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.858	0.0015	0.0017	2.456
2-NITROPHENOL	0.020	10.0	0.0017	0.015	10.0	0.0013	0.025		0.0017	0.089
4-NITROPHENOL	0.020	50.0	0.0084	0.015	50.0	0.0064	0.062	0.0074	0.0084	0.221
PHENANTHRENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
PYRENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.008	0.0015	0.0017	0.018
TETRACHLOROETHENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.020	0.0007	0.0008	0.063
TOLUENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.011	0.0007	0.0008	0.028
1,2,4-TRICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
1,1,1-TRICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.008	0.0007	0.0008	0.023
1,1,2-TRICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.012	0.0007	0.0008	0.049
TRICHLOROETHENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.010	0.0007	0.0008	0.026
VINYL CHLORIDE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.037	0.0007	0.0008	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND. *Limits are based on new permit limits effective 6/1/04.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	19-Oct-05		20-Oct-05	
LEAD	0.005	mg/l	0.005	mg/l
ZINC	0.052	MG/L	0.025	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.002	# / DAY (0.124)	0.001	# / DAY (0.124)
COD	1660	MG/L	1520	MG/L
PHENOLICS**	0.01	MG/L	0.01	MG/L
PHOSPHOROUS	1.4	MG/L	0.51	MG/L
TOTAL SUSPENDED SOLIDS	39	MG/L	27	MG/L

^{**}Phenolics also sampled 5/20/05 while running phenyl chloroformate - 0.014 mg/l

ISOCHEM Inc - Semi Annual Flow readings - 6/1/2005 - 11/30/2005

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	,
	<u> </u>	Duit	+		 0, 5	Date	- 012	Date	0.5	Bate	O, D	
1-Jun-05	20,225	1-Jul-05	26,936	1-Aug-05	16,047	1-Sep-05	14,454	1-Oct-05	48,773	1-Nov-05	29,542	
2-Jun-05	20,567	2-Jul-05	16,249	2-Aug-05	23,860	2-Sep-05	13,042	2-Oct-05	51,915	2-Nov-05	34,098	
3-Jun-05	45,212	3-Jul-05	11,550	3-Aug-05	33,982	3-Sep-05	13,189	3-Oct-05	21,339	3-Nov-05	37,423	
4-Jun-05	29,148	4-Jul-05	17,577	4-Aug-05	26,984	4-Sep-05	13,544	4-Oct-05	14,849	4-Nov-05	36,474	
5-Jun-05	33,213	5-Jul-05	13,851	5-Aug-05	20,825	5-Sep-05	12,284	5-Oct-05	12,236	5-Nov-05	21,252	
6-Jun-05	22,193	6-Jul-05	16,319	6-Aug-05	19,064	6-Sep-05	11,646	6-Oct-05	11,310	6-Nov-05	22,835	
7-Jun-05	31,042	7-Jul-05	23,202	7-Aug-05	14,257	7-Sep-05	20,775	7-Oct-05	20,845	7-Nov-05	29,898	
8-Jun-05	27,966	8-Jul-05	12,882	8-Aug-05	14,277	8-Sep-05	25,969	8-Oct-05	20,340	8-Nov-05	36,206	
9-Jun-05	28,748	9-Jul-05	17,947	9-Aug-05	25,717	9-Sep-05	22,306	9-Oct-05	23,195	9-Nov-05	39,826	
10-Jun-05	21,076	10-Jul-05	16,344	10-Aug-05	21,698	10-Sep-05	21,238	10-Oct-05	22,729	10-Nov-05	48,536	1,000
11-Jun-05	28,533	11-Jul-05	11,270	11-Aug-05	19,031	11-Sep-05	14,902	11-Oct-05	14,466	11-Nov-05	49,861	
12-Jun-05	27,233	12-Jul-05	13,677	12-Aug-05	16,558	12-Sep-05	14,257	12-Oct-05	22,250	12-Nov-05	34,522	
13-Jun-05	35,573	13-Jul-05	15,076	13-Aug-05	12,424	13-Sep-05	31,915	13-Oct-05	22,414	13-Nov-05	38,187	
14-Jun-05	32,081	14-Jul-05	15,898	14-Aug-05	10,708	14-Sep-05	45,248	14-Oct-05	19,988	14-Nov-05	54,945	
15-Jun-05	38,472	15-Jul-05	6,422	15-Aug-05	12,326	15-Sep-05	43,785	15-Oct-05	14,808	15-Nov-05	50,389	
16-Jun-05	36,194	16-Jul-05	37,789	16-Aug-05	17,091	16-Sep-05	43,297	16-Oct-05	10,250	16-Nov-05	30,523	
17-Jun-05	33,575	17-Jul-05	14,023	17-Aug-05	16,163	17-Sep-05	42,964	17-Oct-05	14,103	17-Nov-05	34,835	
18-Jun-05	30,721	18-Jul-05	17,196	18-Aug-05	13,425	18-Sep-05	45,025	18-Oct-05	15,628	18-Nov-05	39,704	
19-Jun-05	21,045	19-Jul-05	15,299	19-Aug-05	8,426	19-Sep-05	47,279	19-Oct-05	20,076	19-Nov-05	36,215	
20-Jun-05	28,666	20-Jul-05	30,181	20-Aug-05	13,595	20-Sep-05	33,814	20-Oct-05	15,392	20-Nov-05	30,259	
21-Jun-05	30,799	21-Jul-05	26,307	21-Aug-05	13,895	21-Sep-05	45,063	21-Oct-05	11,361	21-Nov-05	25,285	
22-Jun-05	32,315	22-Jul-05	9,354	22-Aug-05	14,907	22-Sep-05	1,254	22-Oct-05	14,381	22-Nov-05	21,368	
23-Jun-05	32,705	23-Jul-05	13,832	23-Aug-05	10,189	23-Sep-05	47,116	23-Oct-05	19,822	23-Nov-05	18,043	
24-Jun-05	24,996	24-Jul-05	8,935	24-Aug-05	18,632	24-Sep-05	7,875	24-Oct-05	13,441	24-Nov-05	25,841	
25-Jun-05	22,741	25-Jul-05	11,055	25-Aug-05	20,084	25-Sep-05	11,457	25-Oct-05	22,220	25-Nov-05	22,598	
26-Jun-05	20,295	26-Jul-05	17,154	26-Aug-05	24,024	26-Sep-05	7,206	26-Oct-05	31,355	26-Nov-05	25,135	
27-Jun-05	22,971	27-Jul-05	33,493	27-Aug-05	12,692	27-Sep-05	13,143	27-Oct-05	23,061	27-Nov-05	28,207	
28-Jun-05	29,734	28-Jul-05	23,668	28-Aug-05	12,927	28-Sep-05	74,405	28-Oct-05	20,977	28-Nov-05	27,696	
29-Jun-05	31,900	29-Jul-05	19,516	29-Aug-05	9,736	29-Sep-05	53,409	29-Oct-05	21,324	29-Nov-05	27,696	
30-Jun-05	35,650	30-Jul-05	18,820	30-Aug-05	13,141	30-Sep-05	49,393	30-Oct-05	24,460	30-Nov-05	34,350	
		31-Jul-05	17,266	31-Aug-05	17,352			31-Oct-05	21,157			
Total	875,589		549,088		524,040		841,253		640,464		991,749	24165
Average	29,186		17,713		16,905		28,042		20,660		33,058	24100
7 W Clage	20,100		17,710		10,303		20,072		20,000		33,030	
Maximum	45,212		37,789		33,982		74,405		51,915		54,945	
			2.,		, 55,552		,				31,010	

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I. FLOWS						
see attached flow report. All days are	included.					
II. pH	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06
% COMPLIANCE	99.97%	99.97%	100.00%	99.96%	99.97%	99.92%

III. OTHER PARAMETERS - MASS	<u>LIMITS</u>									=						
	17-May-06	17-May-06	17-May-06	18-May-06	18-May-06	18-May-06	. ,	31-May-06	31-May-06	28-Jun-06	28-Jun-06	28-Jun-06	CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD		DATA		DAILY FLOW	DATA		DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY		IN PPB	IN#/DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY
ACENAPHTHENE	0.037			0.068	250.0	0.1425		5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
ANTHRACENE	0.037			0.068	250.0	0.1425		5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
BENZENE	0.037	1.0	0.0003	0.068	1.0	0.0006				0.0242			0.022	0.0004	0.0006	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.037			0.068	1500.0	0.8549		5.1	0.0010	0.0242	10.5	0.0021	0.036	0.2860	0.8549	0.099
CARBON TETRACHLORIDE	0.037	1.0	0.0003	0.068	3.2	0.0018				0.0242			0.054	0.0011	0.0018	0.146
CHLOROBENZENE	0.037	1.0	0.0003	0.068	1.0	0.0006		13.0		0.0242			0.054	0.0004	0.0006	0.146
CHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006				0.0242			0.042	0.0004	0.0006	0.113
CHLOROFORM	0.037	1.6	0.0005	0.068	1.0	0.0006				0.0242			0.043	0.0005	0.0006	0.125
CHLOROMETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006				0.0242			0.042	0.0004	0.0006	0.113
DI-N-BUTYL PHTHALATE	0.037			0.068	250.0	0.1425		5.0	0.0010	0.0242	5.0	0.0010	0.008	0.0481	0.1425	0.016
1,2-DICHLOROBENZENE	0.037			0.068	250.0	0.1425		5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
1,3-DICHLOROBENZENE	0.037			0.068	250.0	0.1425		5.0		0.0242	5.0	0.0010	0.054	0.0481	0.1425	0.146
1,4-DICHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.054	0.0481	0.1425	0.146
1,1-DICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006				0.0242			0.008	0.0004	0.0006	0.023
1,2-DICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.069	0.0004	0.0006	0.220
1,1-DICHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.008	0.0004	0.0006	0.023
1,2-TRANS-DICHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006				0.0242			0.010	0.0004	0.0006	0.025
1,2-DICHLOROPROPANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.075	0.0004	0.0006	0.305
1,3-DICHLOROPROPENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.075	0.0004	0.0006	0.305
DIETHYL PHTHALATE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.018	0.0481	0.1425	0.043
DIMETHYL PHTHALATE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
4,6-DINITRO-2-METHYLPHENOL	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.030	0.0481	0.1425	0.106
ETHYLBENZENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.054	0.0004	0.0006	0.146
FLUORANTHENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.008	0.0481	0.1425	0.021
FLUORENE	0.037			0.068	250.0	0.1425		5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
HEXACHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
HEXACHLOROBUTADIENE	0.037			0.068	250.0	0.1425		5.0	0.0010	0.0242	5.0	0.0010	0.054	0.0481	0.1425	0.146
HEXACHLOROETHANE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
METHYLENE CHLORIDE	0.037	2.4	0.0008	0.068	1.0	0.0006	0.0230			0.0242			0.014	0.0007	0.0008	0.065
NAPHTHALENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
NITRO BENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.858	0.0481	0.1425	2.456
2-NITROPHENOL	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	10.0	0.0020	0.025	0.0485	0.1425	0.089
4-NITROPHENOL	0.037			0.068	500.0	0.2850	0.0230	5.0	0.0010	0.0242	10.0	0.0020	0.062	0.0960	0.2850	0.221
PHENANTHRENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
PYRENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.008	0.0481	0.1425	0.018
TETRACHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.020	0.0004	0.0006	0.063
TOLUENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.011	0.0004	0.0006	0.028
1,2,4-TRICHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
1,1,1-TRICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.008	0.0004	0.0006	0.023
1,1,2-TRICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.012	0.0004	0.0006	0.049
TRICHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.010	0.0004	0.0006	0.026
VINYL CHLORIDE	0.037	1.0	0.0003	0.056	1.0	0.0005	0.0230			0.0242			0.037	0.0004	0.0005	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

Shaded areas indicates limit was exceeded, compound not detected, but there was an elevated detection limit.

Shaded area indicated limit was exceed and compound was detected.

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	17-May-06		18-May-06	
LEAD	0.01	mg/l	0.01	mg/l
ZINC	0.12	MG/L	0.033	MG/L
TOTAL CYANIDE	0.01	MG/L	0.04	MG/L
TOTAL CYANIDE	0.003	# / DAY (0.124)	0.019	# / DAY (0.124)
COD	420	MG/L	90	MG/L
PHENOLICS	0.029	MG/L	0.025	MG/L
PHOSPHOROUS	0.33	MG/L	0.15	MG/L
TOTAL SUSPENDED SOLIDS	42	MG/L	21	MG/L

VDM00934

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
1-Dec-05	33907	1-Jan-06	21,258	1-Feb-06	13,085	1-Mar-06	18,049	1-Apr-06	19,746	1-May-06	22,203
2-Dec-05	39028	2-Jan-06	27,791	2-Feb-06	12,178	2-Mar-06	21,695	2-Apr-06	20,636	2-May-06	24,816
3-Dec-05	28032	3-Jan-06	11,933	3-Feb-06	10,209	3-Mar-06	18,950	3-Apr-06	19,149	3-May-06	27,179
4-Dec-05	24441	4-Jan-06	16,970	4-Feb-06	17,795	4-Mar-06	20,492	4-Apr-06	30,508	4-May-06	34,630
5-Dec-05	25164	5-Jan-06	18,456	5-Feb-06	20,721	5-Mar-06	16,509	5-Apr-06	26,460	5-May-06	18,920
6-Dec-05	30780	6-Jan-06	16,101	6-Feb-06	16,645	6-Mar-06	18,481	6-Apr-06	27,038	6-May-06	18,342
7-Dec-05	34965	7-Jan-06	17,074	7-Feb-06	21,305	7-Mar-06	17,364	7-Apr-06	22,383	7-May-06	17,213
8-Dec-05	30414	8-Jan-06	21,406	8-Feb-06	14,333	8-Mar-06	19,072	8-Apr-06	25,429	8-May-06	17,163
9-Dec-05	14387	9-Jan-06	15,231	9-Feb-06	4,848	9-Mar-06	20,143	9-Apr-06	20,814	9-May-06	17,379
10-Dec-05	39758	10-Jan-06	12,207	10-Feb-06	5,757	10-Mar-06	19,094	10-Apr-06	16,705	10-May-06	29,790
11-Dec-05	18242	11-Jan-06	12,538	11-Feb-06	6,517	11-Mar-06	17,994	11-Apr-06	14,533	11-May-06	46,136
12-Dec-05	37117	12-Jan-06	17,631	12-Feb-06	8,845	12-Mar-06	21,766	12-Apr-06	25,342	12-May-06	31,317
13-Dec-05	30054	13-Jan-06	7,101	13-Feb-06	2,085	13-Mar-06	18,725	13-Apr-06	34,077	13-May-06	17,949
14-Dec-05	40890	14-Jan-06	15,623	14-Feb-06	13,759	14-Mar-06	21,635	14-Apr-06	16,950	14-May-06	20,859
15-Dec-05	28935	15-Jan-06	10,434	15-Feb-06	16,791	15-Mar-06	34,614	15-Apr-06	11,737	15-May-06	15,012
16-Dec-05	26690	16-Jan-06	12,382	16-Feb-06	12,264	16-Mar-06	25,375	16-Apr-06	13,733	16-May-06	13,134
17-Dec-05	26630	17-Jan-06	10,713	17-Feb-06	12,014	17-Mar-06	25,375	17-Apr-06	20,817	17-May-06	37,496
18-Dec-05	29514	18-Jan-06	15,492	18-Feb-06	9,997	18-Mar-06	33,788	18-Apr-06	16,205	18-May-06	68,334
19-Dec-05	36850	19-Jan-06	14,875	19-Feb-06	10,240	19-Mar-06	21,232	19-Apr-06	29,358	19-May-06	35,286
20-Dec-05	34581	20-Jan-06	7,350	20-Feb-06	17,339	20-Mar-06	16,919	20-Apr-06	28,106	20-May-06	11,069
21-Dec-05	37542	21-Jan-06	12,881	21-Feb-06	23,539	21-Mar-06	27,002	21-Apr-06	26,052	21-May-06	18,530
22-Dec-05	34153	22-Jan-06	13,677	22-Feb-06	20,222	22-Mar-06	18,302	22-Apr-06	20,892	22-May-06	15,630
23-Dec-05	29926	23-Jan-06	7,982	23-Feb-06	29,150	23-Mar-06	30,581	23-Apr-06	21,310	23-May-06	17,087
24-Dec-05	23539	24-Jan-06	9,365	24-Feb-06	18,116	24-Mar-06	14,371	24-Apr-06	21,965	24-May-06	13,930
25-Dec-05	23341	25-Jan-06	16,103	25-Feb-06	18,440	25-Mar-06	19,685	25-Apr-06	16,039	25-May-06	17,113
26-Dec-05	22872	26-Jan-06	7,443	26-Feb-06	23,061	26-Mar-06	15,016	26-Apr-06	24,050	26-May-06	11,147
27-Dec-05	25458	27-Jan-06	9,798	27-Feb-06	20,233	27-Mar-06	16,919	27-Apr-06	57,750	27-May-06	9,180
28-Dec-05	27582	28-Jan-06	14,999	28-Feb-06	15,324	28-Mar-06	27,002	28-Apr-06	17,470	28-May-06	8,813
29-Dec-05	23225	29-Jan-06	17,978			29-Mar-06	18,302	29-Apr-06	24,326	29-May-06	8,085
30-Dec-05	27735	30-Jan-06	10,266			30-Mar-06	30,581	30-Apr-06	25,399	30-May-06	11,528
31-Dec-05	23967	31-Jan-06	8,947			31-Mar-06	14,371			31-May-06	23,028
Total	909,719		432,006		414,810		659,406		694,976		678,299
Average	29,346		14,234		14,815		21,501		23,166		21,842
Maximum	40,890		27,791		29,150		34,614		57,750		68,334

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III. OTHER PARAMETERS - MASS LIMITS

III. OTHER PARAMETERS - MASS I										
	27-Jun-06	27-Jun-06		28-Jun-06	28-Jun-06	28-Jun-06	ISOCHEM	ISOCHEM	CITY AVG.	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	AVG LOAD	MAX. LOAD	MASS LIMIT	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN#/DAY	IN # / DAY	IN #/DAY	IN #/DAY
ACENAPHTHENE	0.022	5.0	0.0009	0.022	5.0	0.0009	0.0009	0.0009	0.007	0.018
ANTHRACENE	0.022	5.0	0.0009	0.022	5.0	0.0009	0.0009	0.0009	0.007	0.018
BENZENE	0.022			0.022					0.022	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.022	10.50	0.0019	0.022	5.0	0.0009	0.0014	0.0019	0.036	0.099
CARBON TETRACHLORIDE	0.022			0.022					0.054	0.146
CHLOROBENZENE	0.022			0.022					0.054	0.146
CHLOROETHANE	0.022			0.024			İ		0.042	0.113
CHLOROFORM	0.022			0.024					0.043	0.125
CHLOROMETHANE	0.022			0.024					0.042	0.113
DI-N-BUTYL PHTHALATE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.008	0.016
1,2-DICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
1,3-DICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.054	0.146
1,4-DICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.054	0.146
1,1-DICHLOROETHANE	0.022			0.024					0.008	0.023
1,2-DICHLOROETHANE	0.022			0.024					0.069	0.220
1,1-DICHLOROETHENE	0.022			0.024					0.008	0.023
1,2-TRANS-DICHLOROETHENE	0.022			0.024					0.010	0.025
1,2-DICHLOROPROPANE	0.022			0.024					0.075	0.305
1,3-DICHLOROPROPENE	0.022			0.024					0.075	0.305
DIETHYL PHTHALATE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.018	0.043
DIMETHYL PHTHALATE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
4,6-DINITRO-2-METHYLPHENOL	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.030	0.106
ETHYLBENZENE	0.022			0.024					0.054	0.146
FLUORANTHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.008	0.021
FLUORENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
HEXACHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
HEXACHLOROBUTADIENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.054	0.146
HEXACHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
METHYLENE CHLORIDE	0.022			0.024					0.014	0.065
NAPHTHALENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
NITRO BENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.858	2.456

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2-NITROPHENOL	0.022	10.0	0.0018	0.024	10.0	0.0020	0.0019	0.0020	0.025	0.089
4-NITROPHENOL	0.022	10.0	0.0018	0.024	10.0	0.0020	0.0019	0.0020	0.062	0.221
PHENANTHRENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
PYRENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.008	0.018
TETRACHLOROETHENE	0.022			0.024					0.020	0.063
TOLUENE	0.022			0.024					0.011	0.028
1,2,4-TRICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
1,1,1-TRICHLOROETHANE	0.022			0.024					0.008	0.023
1,1,2-TRICHLOROETHANE	0.022			0.024					0.012	0.049
TRICHLOROETHENE	0.022		•	0.024					0.010	0.026
VINYL CHLORIDE	0.022			0.024					0.037	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

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I. FLOWS						
see attached flow report. All days are	included.					
<u>II. pH</u>	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
% COMPLIANCE	99.87%	99.75%	99.62%	99.99%	99.71%	99.87%

70 CONFLIANCE	99.0776	99.7076	99.0276	99.9970	99.7 1 701	99.01 /0	1									
III. OTHER PARAMETERS - MASS	LIMITS															
	25-Oct-06	25-Oct-06	25-Oct-06	26-Oct-06	26-Oct-06	26-Oct-06	17-Nov-06	17-Nov-06	17-Nov-06		21-Nov-06		CITY AVG.	ISOCHEM	ISOCHEM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY
ACENAPHTHENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
ANTHRACENE	0.018		-	0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
BENZENE	0.018	4.6	0.0007	0.019	4.6	0.0007	0.0201			0.0103			0.022	0.0007	0.0007	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.018			0.019			0.0201	5.1	0.0009	0.0103	10.5	0.0009	0.036	0.0009	0.0000	0.099
CARBON TETRACHLORIDE	0.018	6.0	0.0009	0.019	6.0	0.0010	0.0201			0.0103			0.054	0.0009	0.0010	0.146
CHLOROBENZENE	0.018	9.2	0.0014	0.019	11.4	0.0018	0.0201			0.0103			0.054	0.0016	0.0018	0.146
CHLOROETHANE	0.018	8.0	0.0012	0.019	8.0	0.0013	0.0201			0.0103			0.042	0.0012	0.0013	0.113
CHLOROFORM	0.018	8.1	0.0012	0.019	8.1	0.0013	0.0201			0.0103			0.043	0.0012	0.0013	0.125
CHLOROMETHANE	0.018	8.0	0.0012	0.019	8.0	0.0013	0.0201		_	0.0103			0.042	0.0012	0.0013	0.113
DI-N-BUTYL PHTHALATE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.008	0.0006	0.0000	0.016
1,2-DICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.075	0.0006	0.0000	0.305
1,3-DICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.054	0.0006	0.0000	0.146
1,4-DICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.054	0.0006	0.0000	0.146
1,1-DICHLOROETHANE	0.018	5.0	0.0007	0.019	5.0	0.0008	0.0201			0.0103			0.008	0.0008	0.0008	0.023
1,2-DICHLOROETHANE	0.018	6.8	0.0010	0.019	6.8	0.0011	0.0201			0.0103			0.069	0.0010	0.0011	0.220
1,1-DICHLOROETHENE	0.018	6.1	0.0009	0.019	6.1	0.0010	0.0201			0.0103			0.008	0.0009	0.0010	0.023
1,2-TRANS-DICHLOROETHENE	0.018	5.0	0.0007	0.019	5.0	0.0008	0.0201			0.0103			0.010	0.0008	0.0008	0.025
1,2-DICHLOROPROPANE	0.018	5.9	0.0009	0.019	5.9	0.0009	0.0201			0.0103			0.075	0.0009	0.0009	0.305
1,3-DICHLOROPROPENE	0.018	5.8	0.0009	0.019	5.8	0.0009	0.0201			0.0103			0.075	0.0009	0.0009	0.305
DIETHYL PHTHALATE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0		0.018	0.0006	0.0000	0.043
DIMETHYL PHTHALATE	0.018			0.019			0.0201	5.0	0.0008		5.0		0.007	0.0006	0.0000	0.018
4,6-DINITRO-2-METHYLPHENOL	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.030	0.0006	0.0000	0.106
ETHYLBENZENE	0.018	5.8	0.0009	0.019	5.8	0.0009	0.0201			0.0103			0.054	0.0009	0.0009	0.146
FLUORANTHENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.008	0.0006	0.0000	0.021
FLUORENE	0.018			0.019			0.0201	5.0	0.0008		5.0		0.007	0.0006	0.0000	0.018
HEXACHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008		5.0		0.075	0.0006	0.0000	0.305
HEXACHLOROBUTADIENE	0.018			0.019			0.0201	5.0	0.0008		5.0		0.054	0.0006	0.0000	0.146
HEXACHLOROETHANE	0.018			0.019			0.0201	5.0	0.0008		5.0	0.0004	0.075	0.0006	0.0000	0.305
METHYLENE CHLORIDE	0.018	5.8	0.0009	0.019	5.8	0.0009	0.0201			0.0103			0.014	0.0009	0.0009	0.065
NAPHTHALENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
NITRO BENZENE	0.018			0.019			0.0201	5.0	0.0008		5.0		0.858	0.0006	0.0000	2.456
2-NITROPHENOL	0.018			0.019			0.0201	5.0	0.0008	0.0103	10.0	0.0009	0.025	0.0008	0.0000	0.089
4-NITROPHENOL	0.018			0.019			0.0201	10.0	0.0017	0.0103	10.0	0.0009	0.062	0.0013	0.0000	0.221
PHENANTHRENE	0.018			0.019			0.0201	10.0	0.0017	0.0103	5.0	0.0004	0.007	0.0010	0.0000	0.018
PYRENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.008	0.0006	0.0000	0.018
TETRACHLOROETHENE	0.018	4.3	0.0006	0.019	4.3	0.0007	0.0201			0.0103			0.020	0.0007	0.0007	0.063
TOLUENE	0.018	4.9	0.0007	0.019	4.9	0.0008	0.0201			0.0103			0.011	0.0008	0.0008	0.028
1,2,4-TRICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.075	0.0006	0.0000	0.305
1,1,1-TRICHLOROETHANE	0.018	6.5	0.0010	0.019	6.5	0.0010	0.0201			0.0103			0.008	0.0010	0.0010	0.023
1,1,2-TRICHLOROETHANE	0.018	17.0	0.0025	0.019	17.0	0.0027	0.0201			0.0103			0.012	0.0026	0.0027	0.049
TRICHLOROETHENE	0.018	6.2	0.0009	0.019	6.2	0.0010	0.0201			0.0103			0.010	0.0010	0.0010	0.026
VINYL CHLORIDE	0.018	8.0	0.0012	0.056	8.0	0.0037	0.0201			0.0103			0.037	0.0025	0.0037	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	25-Oct-06		26-Oct-06	
LEAD	0.01	mg/l	0.01	mg/i
ZINC	0.149	MG/L	0.074	MG/L
TOTAL CYANIDE	0.01	MG/L	0.011	MG/L
TOTAL CYANIDE	0.001	# / DAY (0.124)	0.005	# / DAY (0.124)
COD	3125	MG/L	4145	MG/L
PHENOLICS	0.005	MG/L	0.028	MG/L
PHOSPHOROUS	0.11	MG/L	0.11	MG/L
TOTAL SUSPENDED SOLIDS	37	MG/L	30	MG/L

VDM00939

ISOCHEM Inc - Semi Annual Flow readings - 06/2006-11/2006

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
Date	GFD	Date	GFD	Date	GFD	Date	GFD	Date	GFD	Date	GFD
1-Jun-06	22901	1-Jul-06	8,948	1-Aug-06	21,651	1-Sep-06	13,424	1-Oct-06	5,480	1-Nov-06	19,657
2-Jun-06	8575	2-Jul-06	7,603	2-Aug-06	11,553	2-Sep-06	12,151	2-Oct-06	5,480	2-Nov-06	17,141
3-Jun-06	11087	3-Jul-06	7,659	3-Aug-06	11,166	3-Sep-06	11,967	3-Oct-06	1,655	3-Nov-06	13,459
4-Jun-06	11552	4-Jul-06	10,928	4-Aug-06	16,755	4-Sep-06	12,820	4-Oct-06	14,663	4-Nov-06	16,871
5-Jun-06	10653	5-Jul-06	12,430	5-Aug-06	12,150	5-Sep-06	17,870	5-Oct-06	16,713	5-Nov-06	16,687
6-Jun-06	15323	6-Jul-06	11,678	6-Aug-06	10,886	6-Sep-06	17,815	6-Oct-06	15,673	6-Nov-06	7,521
7-Jun-06	18231	7-Jul-06	8,014	7-Aug-06	8,290	7-Sep-06	18,995	7-Oct-06	11,837	7-Nov-06	5,805
8-Jun-06	21924	8-Jul-06	1,952	8-Aug-06	13,508	8-Sep-06	15,396	8-Oct-06	14,847	8-Nov-06	15,948
9-Jun-06	17065	9-Jul-06	7,607	9-Aug-06	13,372	9-Sep-06	9,230	9-Oct-06	15,658	9-Nov-06	15,317
10-Jun-06	17731	10-Jul-06	13,264	10-Aug-06	17,925	10-Sep-06	14,102	10-Oct-06	22,023	10-Nov-06	8,463
11-Jun-06	14951	11-Jul-06	17,462	11-Aug-06	11,016	11-Sep-06	12,125	11-Oct-06	17,675	11-Nov-06	11,421
12-Jun-06	13470	12-Jul-06	31,328	12-Aug-06	10,414	12-Sep-06	11,905	12-Oct-06	19,191	12-Nov-06	12,391
13-Jun-06	23990	13-Jul-06	31,523	13-Aug-06	6,490	13-Sep-06	18,209	13-Oct-06	15,039	13-Nov-06	9,588
14-Jun-06	28212	14-Jul-06	19,645	14-Aug-06	6,241	14-Sep-06	19,725	14-Oct-06	14,226	14-Nov-06	12,651
15-Jun-06	25016	15-Jul-06	12,149	15-Aug-06	14,343	15-Sep-06	13,709	15-Oct-06	12,301	15-Nov-06	15,647
16-Jun-06	16887	16-Jul-06	11,347	16-Aug-06	13,710	16-Sep-06	13,836	16-Oct-06	13,719	16-Nov-06	25,711
17-Jun-06	15635	17-Jul-06	15,851	17-Aug-06	37,599	17-Sep-06	13,276	17-Oct-06	14,663	17-Nov-06	20,052
18-Jun-06	13335	18-Jul-06	23,068	18-Aug-06	4,966	18-Sep-06	23,708	18-Oct-06	13,080	18-Nov-06	19,096
19-Jun-06	15608	19-Jul-06	27,927	19-Aug-06	9,344	19-Sep-06	17,641	19-Oct-06	15,033	19-Nov-06	12,959
20-Jun-06	16516	20-Jul-06	21,370	20-Aug-06	12,905	20-Sep-06	17,252	20-Oct-06	15,319	20-Nov-06	8,663
21-Jun-06	18836	21-Jul-06	18,620	21-Aug-06	12,786	21-Sep-06	24,079	21-Oct-06	16,894	21-Nov-06	10,254
22-Jun-06	12245	22-Jul-06	16,576	22-Aug-06	17,287	22-Sep-06	43,399	22-Oct-06	16,265	22-Nov-06	6,860
23-Jun-06	17272	23-Jul-06	15,093	23-Aug-06	9,697	23-Sep-06	10,755	23-Oct-06	15,899	23-Nov-06	7,484
24-Jun-06	7927	24-Jul-06	13,299	24-Aug-06	15,728	24-Sep-06	1,721	24-Oct-06	18,307	24-Nov-06	17,427
25-Jun-06	13267	25-Jul-06	20,653	25-Aug-06	19,781	25-Sep-06	2,208	25-Oct-06	17,875	25-Nov-06	21,051
26-Jun-06	16359	26-Jul-06	21,496	26-Aug-06	6,680	26-Sep-06	8,796	26-Oct-06	7,311	26-Nov-06	6,175
27-Jun-06	22380	27-Jul-06	34,226	27-Aug-06	14,717	27-Sep-06	7,941	27-Oct-06	8,474	27-Nov-06	4,839
28-Jun-06	24237	28-Jul-06	19,503	28-Aug-06	15,127	28-Sep-06	2,038	28-Oct-06	12,529	28-Nov-06	18,565
29-Jun-06	11905	29-Jul-06	20,008	29-Aug-06	39218	29-Sep-06	5,480	29-Oct-06	13,528	29-Nov-06	10,128
30-Jun-06	10136	30-Jul-06	19,224	30-Aug-06	31466	30-Sep-06	5,480	30-Oct-06	12,327	30-Nov-06	43,351
31-Dec-05	23967	31-Jul-06	14,468	31-Aug-06	13551			31-Oct-06	16188		
Total	517,193		514,922		460,320	+	417,055		429,874		431,183
Average	16,684		16,594		14,892		13,902	 	13,790		14,373
7.40.490	10,004		10,001		17,002		10,002		10,700		1 1,070
Maximum	28,212		34,226		39,218		43,399		22,023		43,351
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I. FLOWS						
see attached flow report. All days are i	ncluded.					
II. pH	Dec-07	Jan-07	Feb-07	Mar-07	Apr-07	May-07
% COMPLIANCE	99.97%	99.97%	100.00%	99.96%	99.97%	99.92%

D. OTHER PARAMETERS - MASS LIMIT D. OTHAR-07 D. OTHA	/0 OOM ED 010E	33.0170	33.01 /0	100.0070	00.0070	00.0170	00.0270						
DALLY FLOW DATA MASS LOAD DALLY FLOW DATA MASS LOAD MASS LIMIT MASS LOAD MASS	III. OTHER PARAMETERS - MASS I											•	
PARAMETER		1		0.1 1110 0.1		,						Exceed =1	Exceed =1
ACEMAPHTHENE													
ANTHRACENE	PARAMETER	IN MGD	IN PPB				IN # / DAY	IN #/DAY	IN#/DAY		IN #/DAY		
BENZENE 0.014		0.014										0	0
BISCA-ETHYLHEXYL) PHALATE	ANTHRACENE	0.014	5.0									0	0
CARBON TETRACHLORIDE		0.014				4.6			0.0007	0.0010	0.051	0	0
CHLOROBENZENE												0	0
CHLOROETHANE				0.0007								0	0
CHLOROFORM	CHLOROBENZENE	0.014	15.7			13.6	0.0028	0.054		0.0028	0.146	0	0
CHLOROMETHANE	CHLOROETHANE	0.014										0	0
Di-Neutyle Phthalate	CHLOROFORM	0.014	8.1									0	0
1,2-DICHLOROBENZENE							0.0017	0.042	0.0013	0.0017	0.113	0	0
1,3-DICHLOROBENZENE	DI-N-BUTYL PHTHALATE						0.0010			0.0010		0	0
1,4-DICHLOROBENZENE	1,2-DICHLOROBENZENE		5.0	0.0006			0.0010		0.0008		0.305	0	0
1DICHLOROETHANE	1,3-DICHLOROBENZENE		5.0	0.000			0.0010					0	0
1,2-DICHLOROETHANE	1,4-DICHLOROBENZENE						0.0010					0	0
1,1-DICHLOROETHENE 0.014 6.1 0.0007 0.025 6.1 0.0013 0.008 0.0010 0.0013 0.023 0 0 0 0.0014 0.0014 0.0014 0.0007 0.025 0.6 0.0008 0.0008 0.0008 0.0008 0.0025 0 0 0 0.0008	1,1-DICHLOROETHANE	0.014	5.0			5.0	0.0010	0.008	0.0008	0.0010		. 0	0
1,2-TRANS-DICHLOROETHENE	1,2-DICHLOROETHANE		6.8			6.8						0	0
T,2-DICHLOROPROPANE 0.014 5.9 0.0007 0.025 5.9 0.0012 0.075 0.0010 0.0012 0.305 0 0 1,3-DICHLOROPROPENE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.075 0.0009 0.0012 0.305 0 0 DIETHYL PHTHALATE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.018 0.0010 0.043 0 0 4,6-DINITRO-2-METHYLPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.030 0.0008 0.0010 0.018 0 4,6-DINITRO-2-METHYLPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.003 0.0008 0.0010 0.018 0 0 ETHYLBENZENE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.054 0.0009 0.0012 0.146 0 FLUORANTHENE 0.014 5.0 0.0006 0.025 5.0	1,1-DICHLOROETHENE											0	0
T,3-DICHLOROPROPENE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.075 0.0009 0.0012 0.305 0	1,2-TRANS-DICHLOROETHENE	0.014	3.6					0.010	0.0006	0.0008	0.025	0	0
DIETHYL PHTHALATE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.018 0.0008 0.0010 0.043 0 0 0 0 0 0 0 0 0	1,2-DICHLOROPROPANE	0.014	5.9	0.0007		5.9	0.0012		0.0010	0.0012	0.305	0	0
DIMETHYL PHTHALATE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 0 0 0 0 0 0 0 0	1,3-DICHLOROPROPENE	0.014	5.8	0.0007	0.025	5.8	0.0012	0.075	0.0009	0.0012	0.305	0	0
4,6-DINITRO-2-METHYLPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.030 0.0008 0.0010 0.106 0 0 ETHYLBENZENE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.054 0.0009 0.0012 0.146 0 0 FLUORANTHENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.008 0.0010 0.021 0 FLUORENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 0 HEXACHLOROBENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.346 0 0 0 0 0 0 0 0 0 0 0 0	DIETHYL PHTHALATE	0.014	5.0	0.0006			0.0010	0.018	0.0008	0.0010	0.043	0	0
ETHYLBENZENE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.054 0.0009 0.0012 0.146 0 0 FLUORANTHENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.008 0.0008 0.0010 0.021 0 FLUORENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 HEXACHLOROBENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 0 HEXACHLOROETHANE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 METHYLENE CHLORIDE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.014	DIMETHYL PHTHALATE	0.014	5.0						0.0008		0.018	. 0	0
FLUORANTHENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.008 0.0008 0.0010 0.021 0 FLUORENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 HEXACHLOROBENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 HEXACHLOROETHANE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 METHYLENE CHLORIDE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.014 0.0005 0 0 NAPHTHALENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 <td>4,6-DINITRO-2-METHYLPHENOL</td> <td>0.014</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0008</td> <td>0.0010</td> <td>0.106</td> <td>0</td> <td>0</td>	4,6-DINITRO-2-METHYLPHENOL	0.014							0.0008	0.0010	0.106	0	0
FLUORENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 0 HEXACHLOROBENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 METHYLENE CHLORIDE 0.014 5.8 0.0007 0.025 5.0 0.0010	ETHYLBENZENE	0.014	5.8	0.0007			0.0012				0.146	0	0
HEXACHLOROBENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 0 HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 0 MEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.146 0 0 MEXACHLOROBUTADIENE 0.014 5.8 0.0007 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 0 MEXACHLOROBUTADIENE 0.014 5.0	FLUORANTHENE	0.014									0.021	0	0
HEXACHLOROBUTADIENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.054 0.0008 0.0010 0.146 0 0 HEXACHLOROETHANE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 METHYLENE CHLORIDE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.014 0.0012 0.065 0 NAPHTHALENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 NITRO BENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.858 0.0010 0.0010 0.089 0 2-NITROPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.025 0.0008 0.0010 0.089	FLUORENE	0.014	5.0	0.0006		5.0	0.0010		0.0008	0.0010	0.018	0	0
HEXACHLOROETHANE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.075 0.0008 0.0010 0.305 0 0 METHYLENE CHLORIDE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.014 0.0012 0.065 0 0 NAPHTHALENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 0 NITRO BENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.858 0.0008 0.0010 2.456 0 2-NITROPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.025 0.0008 0.0010 0.089 0	HEXACHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.075	0.0008		0.305	0	0
METHYLENE CHLORIDE 0.014 5.8 0.0007 0.025 5.8 0.0012 0.014 0.0012 0.065 0 0 NAPHTHALENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 0 NITRO BENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.858 0.0008 0.0010 2.456 0 0 2-NITROPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.025 0.0008 0.0010 0.089 0	HEXACHLOROBUTADIENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.054	0.0008	0.0010	0.146	0	0
NAPHTHALENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.007 0.0008 0.0010 0.018 0 0 NITRO BENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.858 0.0008 0.0010 2.456 0 0 2-NITROPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.025 0.0008 0.0010 0.089 0	HEXACHLOROETHANE	0.014	5.0		0.025	5.0	0.0010	0.075	0.0008	0.0010	0.305	. 0	0
NITRO BENZENE 0.014 5.0 0.0006 0.025 5.0 0.0010 0.858 0.0008 0.0010 2.456 0 0 2-NITROPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.025 0.0008 0.0010 0.089 0 0	METHYLENE CHLORIDE	0.014		0.0007				0.014	0.0009		0.065	0	0
2-NITROPHENOL 0.014 5.0 0.0006 0.025 5.0 0.0010 0.025 0.0008 0.0010 0.089 0 0	NAPHTHALENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.007	0.0008	0.0010	0.018	0	0
	NITRO BENZENE	0.014					0.0010					0	0
4-NITROPHENOL 0.014 10.0 0.0012 0.025 10.0 0.0021 0.062 0.0016 0.0021 0.221 0		0.014										0	0
	4-NITROPHENOL	0.014	10.0	0.0012	0.025	10.0	0.0021	0.062	0.0016	0.0021	0.221	0	0

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PHENANTHRENE	0.014	10.0	0.0012	0.025	10.0	0.0021	0.007	0.0016	0.0021	0.018	0	0
PYRENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.008	0.0008	0.0010	0.018	0	0
TETRACHLOROETHENE	0.014	4.3	0.0005	0.025	4.3	0.0009	0.020	0.0007	0.0009	0.063	0	0
TOLUENE	0.014	4.9	0.0006	0.025	4.9	0.0010	0.011	0.0008	0.0010	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.075	0.0008	0.0010	0.305	0	0
1,1,1-TRICHLOROETHANE	0.014	6.5	0.0008	0.025	6.5	0.0014	0.008	0.0011	0.0014	0.023	0	0
1,1,2-TRICHLOROETHANE	0.014	17.0	0.0020	0.025	17.0	0.0035	0.012	0.0028	0.0035	0.049	0	0
TRICHLOROETHENE	0.014	6.2	0.0007	0.025	6.2	0.0013	0.010	0.0010	0.0013	0.026	0	0
VINYL CHLORIDE	0.014	8.0	0.0009	0.025	8.0	0.0017	0.037	0.0013	0.0017	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	07-Mar-07		08-Mar-07		29-Mar-07]
LEAD	0.01	mg/l	0.01	mg/l		
ZINC	0.079	MG/L	0.062	MG/L		
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L		
TOTAL CYANIDE	0.001	# / DAY (0.124)	0.002	# / DAY (0.124)		<u> </u>
COD	1275	MG/L	1600	MG/L		
PHENOLICS	0.152	MG/L	0.02	MG/L	0.02	MG/L
PHOSPHOROUS	0.38	MG/L	0.3	MG/L		
TOTAL SUSPENDED SOLIDS	51	MG/L	43	MG/L		

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
	04.700	4 1 0=	45.404	4.5-1.67	00.004	4 14 - 67	10.505	4.4.07	10.500	4.1407	40.700
1-Dec-06	21,796	1-Jan-07	15,421	1-Feb-07	33,024	1-Mar-07	18,595	1-Apr-07	18,599	1-May-07	12,766
2-Dec-06	11,728	2-Jan-07	14,996	2-Feb-07	15,383	2-Mar-07	15,893	2-Apr-07	29,003	2-May-07	23,318
3-Dec-06	14,887	3-Jan-07	18,870	3-Feb-07	15,213	3-Mar-07	16,751	3-Apr-07	20,656	3-May-07	17,860
4-Dec-06	9,693	4-Jan-07	24,651	4-Feb-07	10,785	4-Mar-07	17,121	4-Apr-07	16,467	4-May-07	3,665
5-Dec-06	9,421	5-Jan-07	12,758	5-Feb-07	23,107	5-Mar-07	12,155	5-Apr-07	21,096	5-May-07	1,795
6-Dec-06	9,432	6-Jan-07	9,530	6-Feb-07	28,779	6-Mar-07	12,855	6-Apr-07	18,313	6-May-07	18,754
7-Dec-06	16,470	7-Jan-07	12,735	7-Feb-07	21,741	7-Mar-07	13,940	7-Apr-07	20,324	7-May-07	11,282
8-Dec-06	18,660	8-Jan-07	14,535	8-Feb-07	14,637	8-Mar-07	25,007	8-Apr-07	17,088	8-May-07	9,455
9-Dec-06	17,772	9-Jan-07	16,260	9-Feb-07	17,775	9-Mar-07	16,332	9-Apr-07	10,098	9-May-07	22,907
10-Dec-06	14,593	10-Jan-07	23,462	10-Feb-07	14,770	10-Mar-07	13,634	10-Apr-07	9,511	10-May-07	21,179
11-Dec-06	8,095	11-Jan-07	35,134	11-Feb-07	11,592	11-Mar-07	14,325	11-Apr-07	7,848	11-May-07	7,325
12-Dec-06	12,121	12-Jan-07	13,807	12-Feb-07	12,081	12-Mar-07	12,115	12-Apr-07	14,319	12-May-07	10,845
13-Dec-06	20,194	13-Jan-07	15,372	13-Feb-07	20,644	13-Mar-07	18,239	13-Apr-07	11,820	13-May-07	11,902
14-Dec-06	19,837	14-Jan-07	15,422	14-Feb-07	28,702	14-Mar-07	9,784	14-Apr-07	8,981	14-May-07	7,909
15-Dec-06	13,679	15-Jan-07	12,495	15-Feb-07	14,123	15-Mar-07	16,209	15-Apr-07	9,670	15-May-07	10,935
16-Dec-06	13,361	16-Jan-07	21,194	16-Feb-07	17,559	16-Mar-07	15,346	16-Apr-07	17,664	16-May-07	24,214
17-Dec-06	6,855	17-Jan-07	24,610	17-Feb-07	16,267	17-Mar-07	16,129	17-Apr-07	27,975	17-May-07	22,430
18-Dec-06	8,487	18-Jan-07	12,266	18-Feb-07	16,376	18-Mar-07	18,158	18-Apr-07	17,818	18-May-07	16,615
19-Dec-06	9,793	19-Jan-07	13,517	19-Feb-07	15,381	19-Mar-07	19,071	19-Apr-07	11,461	19-May-07	6,473
20-Dec-06	12,870	20-Jan-07	14,140	20-Feb-07	35,828	20-Mar-07	23,737	20-Apr-07	6,514	20-May-07	9,335
21-Dec-06	30,509	21-Jan-07	9,491	21-Feb-07	27,862	21-Mar-07	28,885	21-Apr-07	22,302	21-May-07	8,515
22-Dec-06	8,168	22-Jan-07	9,886	22-Feb-07	24,497	22-Mar-07	24,462	22-Apr-07	17,507	22-May-07	13,460
23-Dec-06	6,322	23-Jan-07	23,524	23-Feb-07	20,130	23-Mar-07	18,846	23-Apr-07	6,236	23-May-07	14,816
24-Dec-06	4,903	24-Jan-07	27,245	24-Feb-07	18,527	24-Mar-07	17,672	24-Apr-07	16,494	24-May-07	23,432
25-Dec-06	4,588	25-Jan-07	17,346	25-Feb-07	19,437	25-Mar-07	22,322	25-Apr-07	27,314	25-May-07	8,500
26-Dec-06	4,589	26-Jan-07	14,345	26-Feb-07	13,032	26-Mar-07	13,263	26-Apr-07	17,796	26-May-07	6,595
27-Dec-06	9,590	27-Jan-07	11,227	27-Feb-07	10,427	27-Mar-07	50,383	27-Apr-07	18,405	27-May-07	13,875
28-Dec-06	16,001	28-Jan-07	17,412	28-Feb-07	11,775	28-Mar-07	26,389	28-Apr-07	21,715	28-May-07	15,049
29-Dec-06	11,304	29-Jan-07	16,793	<u> </u>	<u> </u>	29-Mar-07	20,458	29-Apr-07	15,571	29-May-07	10,229
30-Dec-06	15,575	30-Jan-07	15,299			30-Mar-07	15,290	30-Apr-07	11,941	30-May-07	15,676
31-Dec-06	11,994	31-Jan-07	30,965			31-Mar-07	24,365			31-May-07	15,916
Total	393,283		534,706		529,452		587,731		490,508		417,027
Average	12,687		16,843		18,909		18,779		16,350		13,370
Maximum	30,509		35,134		35,828		50,383	 	29,003		24,214

VanDeMark Chemical Inc - Semi Annual WWTP Results

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I. FLOWS						
see attached flow report. All days are	included.					
<u>II. pH</u>	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07
% COMPLIANCE	99.93%	99.98%	99.56%	99.58%	99.73%	99.97%

III. OTHER PARAMETERS - MASS I	<u>IMITS</u>								_			
	26-Sep-07	26-Sep-07	26-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	CITY AVG.	VDM	VDM	CITY MAX	Exceed =1	Exceed =1
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT]	
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY]	
ACENAPHTHENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
ANTHRACENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
BENZENE	0.019	4.6	0.0007	0.017	4.6	0.0007	0.022	0.0007	0.0007	0.051] 0	0
BIS(2-ETHYLHEXYL) PHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.036	0.0008	0.0008	0.099) 0	0
CARBON TETRACHLORIDE	0.019	6.0	0.0010	0.017	6.0	0.0009	0.054	0.0009	0.0010	0.146	0	0
CHLOROBENZENE	0.019	7.1	0.0011	0.017	9.1	0.0013	0.054	0.0012	0.0013	0.146	0	0
CHLOROETHANE	0.019	8.0	0.0013	0.017	8.0	0.0012	0.042	0.0012	0.0013	0.113) 0	0
CHLOROFORM	0.019	8.1	0.0013	0.017	8.1	0.0012	0.043	0.0012	0.0013	0.125	0	0
CHLOROMETHANE	0.019	8.0	0.0013	0.017	15.7	0.0023	0.042	0.0018	0.0023	0.113	0	0
DI-N-BUTYL PHTHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.016	0	0
1,2-DICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
1,3-DICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.054	0.0008	0.0008	0.146	0	0
1,4-DICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.054	0.0008	0.0008	0.146	0	0
1,1-DICHLOROETHANE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.023	0	0
1,2-DICHLOROETHANE	0.019	6.8	0.0011	0.017	6.8	0.0010	0.069	0.0010	0.0011	0.220	0	0
1,1-DICHLOROETHENE	0.019	6.1	0.0010	0.017	6.1	0.0009	0.008	0.0009	0.0010	0.023	0	0
1,2-TRANS-DICHLOROETHENE	0.019	3.6	0.0006	0.017	3.6	0.0005	0.010	0.0006	0.0006	0.025	0	0
1,2-DICHLOROPROPANE	0.019	5.9	0.0010	0.017	5.9	0.0009	0.075	0.0009	0.0010	0.305	0	0
1,3-DICHLOROPROPENE	0.019	5.8	0.0009	0.017	5.8	0.0008	0.075	0.0009	0.0009	0.305	0	0
DIETHYL PHTHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.018		0.0008	0.043	0	0
DIMETHYL PHTHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
4,6-DINITRO-2-METHYLPHENOL	0.019	5.0	0.0008	0.017	5.0	0.0007	0.030	0.0008	0.0008	0.106	0	0
ETHYLBENZENE	0.019	5.8	0.0009	0.017	5.8	0.0008	0.054	0.0009	0.0009	0.146	0	0
FLUORANTHENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.021	0	0
FLUORENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
HEXACHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
HEXACHLOROBUTADIENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.054	0.0008	0.0008	0.146	0	0
HEXACHLOROETHANE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075		0.0008	0.305	0	0
METHYLENE CHLORIDE	0.019	5.8	0.0009	0.017	5.8	0.0008	0.014	0.0009	0.0009	0.065	0	0
NAPHTHALENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
NITRO BENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.858	0.0008	0.0008	2.456	0	0
2-NITROPHENOL	0.019	5.0	0.0008	0.017	5.0	0.0007	0.025	0.0008	0.0008	0.089	0	0
4-NITROPHENOL	0.019	10.0	0.0016	0.017	10.0	0.0014	0.062	0.0015	0.0016	0.221	0	0

VanDeMark Chemical Inc - Semi Annual WWTP Results

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PHENANTHRENE	0.019	10.0	0.0016	0.017	10.0	0.0014	0.007	0.0015	0.0016	0.018	0	0
PYRENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.018	0	0
TETRACHLOROETHENE	0.019	4.3	0.0007	0.017	4.3	0.0006	0.020	0.0007	0.0007	0.063	0	0
TOLUENE	0.019	4.9	0.0008	0.017	4.9	0.0007	0.011	0.0007	0.0008	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
1,1,1-TRICHLOROETHANE	0.019	6.5	0.0010	0.017	6.5	0.0009	0.008	0.0010	0.0010	0.023	0	0
1,1,2-TRICHLOROETHANE	0.019	17.0	0.0027	0.017	17.0	0.0025	0.012	0.0026	0.0027	0.049	0	0
TRICHLOROETHENE	0.019	6.2	0.0010	0.017	6.2	0.0009	0.010	0.0009	0.0010	0.026	0	0
VINYL CHLORIDE	0.019	8.0	0.0013	0.017	8.0	0.0012	0.037	0.0012	0.0013	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VanDeMark Chemical Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2007
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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	07-Mar-07		08-Mar-07		29-Mar-07	
LEAD	0.01	mg/l	0.01	mg/l		
ZINC	0.087	MG/L	0.062	MG/L		
TOTAL CYANIDE	0.014	MG/L	0.031	MG/L		
TOTAL CYANIDE	0.002	# / DAY (0.124)	0.004	# / DAY (0.124)		
COD	2500	MG/L	1750	MG/L		
PHENOLICS	0.02	MG/L	0.534	MG/L	0.02	MG/L
PHOSPHOROUS	0.055	MG/L	0.055	MG/L		
TOTAL SUSPENDED SOLIDS	11	MG/L	12	MG/L		

0

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
4 1 07	40.047	4 1 1 0 7	2 244	4.407	10,000	1.0 07	47.500	4.0.1.07	0.440	4 21 07	44.040
1-Jun-07	10,317	1-Jul-07	3,314	1-Aug-07	16,006	1-Sep-07	17,523	1-Oct-07	9,418	1-Nov-07	11,940
2-Jun-07	9,453	2-Jul-07	45,631	2-Aug-07	9,945	2-Sep-07	12,896	2-Oct-07	15,499	2-Nov-07	14,825
3-Jun-07	7,727	3-Jul-07	61,191	3-Aug-07	6,609	3-Sep-07	10,989	3-Oct-07	21,517	3-Nov-07	16,480
4-Jun-07	6,232	4-Jul-07	2,917	4-Aug-07	16,291	4-Sep-07	18,586	4-Oct-07	22,240	4-Nov-07	8,466
5-Jun-07	10,501	5-Jul-07	4,713	5-Aug-07	7,494	5-Sep-07	12,772	5-Oct-07	17,424	5-Nov-07	6,336
6-Jun-07	15,625	6-Jul-07	2,929	6-Aug-07	9,164	6-Sep-07	12,140	6-Oct-07	14,478	6-Nov-07	23,300
7-Jun-07	12,768	7-Jul-07	9,736	7-Aug-07	18,963	7-Sep-07	9,407	7-Oct-07	17,791	7-Nov-07	34,106
8-Jun-07	10,373	8-Jul-07	7,055	8-Aug-07	18,558	8-Sep-07	7,768	8-Oct-07	15,155	8-Nov-07	14,741
9-Jun-07	8,151	9-Jul-07	5,666	9-Aug-07	7,449	9-Sep-07	8,393	9-Oct-07	19,403	9-Nov-07	10,644
10-Jun-07	13,065	10-Jul-07	16,287	10-Aug-07	7,826	10-Sep-07	14,039	10-Oct-07	20,805	10-Nov-07	9,739
11-Jun-07	10,047	11-Jul-07	26,324	11-Aug-07	24,922	11-Sep-07	25,270	11-Oct-07	31,194	11-Nov-07	7,599
12-Jun-07	15,270	12-Jul-07	16,734	12-Aug-07	19,481	12-Sep-07	27,509	12-Oct-07	18,915	12-Nov-07	10,782
13-Jun-07	18,787	13-Jul-07	15,334	13-Aug-07	17,239	13-Sep-07	30,437	13-Oct-07	15,967	13-Nov-07	24,639
14-Jun-07	22,024	14-Jul-07	9,531	14-Aug-07	22,161	14-Sep-07	22,222	14-Oct-07	15,393	14-Nov-07	27,038
15-Jun-07	12,343	15-Jul-07	9,531	15-Aug-07	16,374	15-Sep-07	14,854	15-Oct-07	20,878	15-Nov-07	29,242
16-Jun-07	12,453	16-Jul-07	9,917	16-Aug-07	24,241	16-Sep-07	12,717	16-Oct-07	26,172	16-Nov-07	22,804
17-Jun-07	12,636	17-Jul-07	9,397	17-Aug-07	7,350	17-Sep-07	20,250	17-Oct-07	28,355	17-Nov-07	11,696
18-Jun-07	15,680	18-Jul-07	10,822	18-Aug-07	8,691	18-Sep-07	23,476	18-Oct-07	18,205	18-Nov-07	9,389
19-Jun-07	3,036	19-Jul-07	17,605	19-Aug-07	10,036	19-Sep-07	26,021	19-Oct-07	17,238	19-Nov-07	12,449
20-Jun-07	75	20-Jul-07	10,669	20-Aug-07	6,552	20-Sep-07	17,807	20-Oct-07	8,759	20-Nov-07	6,276
21-Jun-07	150	21-Jul-07	6,391	21-Aug-07	4,349	21-Sep-07	22,367	21-Oct-07	13,190	21-Nov-07	20,815
22-Jun-07	374	22-Jul-07	5,755	22-Aug-07	12,460	22-Sep-07	23,968	22-Oct-07	11,917	22-Nov-07	17,926
23-Jun-07	1,646	23-Jul-07	4,037	23-Aug-07	9,811	23-Sep-07	17,247	23-Oct-07	24,530	23-Nov-07	11,839
24-Jun-07	5,887	24-Jul-07	26,660	24-Aug-07	13,262	24-Sep-07	10,169	24-Oct-07	16,381	24-Nov-07	6,749
25-Jun-07	972	25-Jul-07	8,460	25-Aug-07	10,927	25-Sep-07	10,981	25-Oct-07	13,280	25-Nov-07	9,174
26-Jun-07	44,434	26-Jul-07	6,062	26-Aug-07	5,670	26-Sep-07	19,364	26-Oct-07	8,821	26-Nov-07	21,034
27-Jun-07	69,719	27-Jul-07	5,937	27-Aug-07	7,406	27-Sep-07	17,337	27-Oct-07	14,756	27-Nov-07	27,193
28-Jun-07	37,702	28-Jul-07	12,177	28-Aug-07	14,191	28-Sep-07	9,527	28-Oct-07	15,197	28-Nov-07	37,548
29-Jun-07	2,734	29-Jul-07	9,133	29-Aug-07	18233	29-Sep-07	10,462	29-Oct-07	2,843	29-Nov-07	16,303
30-Jun-07	5,958	30-Jul-07	7,412	30-Aug-07	15040	30-Sep-07	11,076	30-Oct-07	11,194	30-Nov-07	9,929
30-3011-07	3,936	31-Jul-07	17,791	31-Aug-07	11799	30-3ep-01	11,076	31-Oct-07	11456	30-1107-07	9,929
	1	0,00,01	17,101				1	0.00.07	11100		
Total	396,139		405,118		398,500		497,574		518,371		491,001
Average	12,779		13,101		12,890		16,586		16,897		16,367
Marriagues	60.710		61 101		24,922		30,437		21.404		27.540
Maximum_	69,719	 	61,191		24,922		30,437		31,194		37,548

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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I. FLOWS						
see attached flow report. All days are	ncluded.					
II. pH	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08
% COMPLIANCE	99.79%	98.89%	98.02%	99.50%	99.84%	98.29%

III. OTHER PARAMETERS - MASS L	IMITS	 -	<i></i>									
	12-Mar-08	12-Mar-08	12-Mar-08	13-Mar-08	13-Mar-08	13-Mar-08	CITY AVG.	VDM	VDM	CITY MAX	Exceed =1	Exceed =1
1	14-Mar-08	14-Mar-08	14-Mar-08	ł			1	1			:	
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT		
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY		
ACENAPHTHENE	0.024	5.0	0.0010	0.022	5.0	0.0009	0.007	0.0010	0.0010	0.018	0	0
ANTHRACENE	0.024	5.0	0.0010	0.022	5.0	0.0009	0.007	0.0010	0.0010	0.018	0	0
BENZENE	0.025	4.6	0.0010	0.022	4.6	0.0008	0.022	0.0009	0.0010	0.051	0	0
BIS(2-ETHYLHEXYL) PHALATE	0.024	13.8	0.0028	0.022	11.5	0.0021	0.036	0.0024	0.0028	0.099	0	0
CARBON TETRACHLORIDE	0.025	6.0	0.0013	0.029	6.0	0.0014	0.054	0.0013	0.0014	0.146	0	0
CHLOROBENZENE	0.025	93.8	0.0197	0.029	130.0	0.0310	0.054	0.0254	0.0310	0.146	0	0
CHLOROETHANE	0.025	8.0	0.0017	0.029	8.0	0.0019	0.042	0.0018	0.0019	0.113	0	0
CHLOROFORM	0.025	8.1	0.0017	0.029	8.1	0.0019	0.043	0.0018	0.0019	0.125	0	0
CHLOROMETHANE	0.025	8.0	0.0017	0.029	8.0	0.0019	0.042	0.0018	0.0019	0.113	0	0
DI-N-BUTYL PHTHALATE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.008	0.0011	0.0012	0.016	0	0
1,2-DICHLOROBENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.075	0.0011	0.0012	0.305	0	0
1,3-DICHLOROBENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.054	0.0011	0.0012	0.146	0	0
1,4-DICHLOROBENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.054	0.0011	0.0012	0.146	0	0
1,1-DICHLOROETHANE	0.025	5.0	0.0011	0.029	5.0	0.0012	0.008	0.0011	0.0012	0.023	0	0
1,2-DICHLOROETHANE	0.025	6.8	0.0014	0.029	6.8	0.0016	0.069	0.0015	0.0016	0.220	0	0
1,1-DICHLOROETHENE	0.025	6.1	0.0013	0.029	6.1	0.0015	0.008	0.0014	0.0015	0.023	0	0
1,2-TRANS-DICHLOROETHENE	0.025	3.6	0.0008	0.029	3.6	0.0009	0.010	0.0008	0.0009	0.025	0	0
1,2-DICHLOROPROPANE	0.025	5.9	0.0012	0.029	5.9	0.0014	0.075	0.0013	0.0014	0.305	0	0
1,3-DICHLOROPROPENE	0.025	5.8	0.0012	0.029	5.8	0.0014	0.075	0.0013	0.0014	0.305	0	0
DIETHYL PHTHALATE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.018	0.0011	0.0012	0.043	0	0
DIMETHYL PHTHALATE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.007	0.0011	0.0012	0.018	0	0
4,6-DINITRO-2-METHYLPHENOL	0.024	5.0	0.0010	0.029	5.0	0.0012	0.030	0.0011	0.0012	0.106	0	0
ETHYLBENZENE	0.025	5.8	0.0012	0.029	5.8	0.0014	0.054	0.0013	0.0014	0.146	0	0
FLUORANTHENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.008	0.0011	0.0012	0.021	0	0
FLUORENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.007	0.0011	0.0012	0.018	0	0
HEXACHLOROBENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.075	0.0011	0.0012	0.305	0	0
HEXACHLOROBUTADIENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.054	0.0011	0.0012	0.146	0	0
HEXACHLOROETHANE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.075	0.0011	0.0012	0.305	0	0
METHYLENE CHLORIDE	0.025	5.8	0.0012	0.029	5.8	0.0014	0.014	0.0013	0.0014	0.065	0	0
NAPHTHALENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.007	0.0011	0.0012	0.018	0	0
NITRO BENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.858	0.0011	0.0012	2.456	0	0
2-NITROPHENOL	0.024	5.0	0.0010	0.029	5.0	0.0012	0.025	0.0011	0.0012	0.089	0	0

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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						T					3	
4-NITROPHENOL	0.024	10.0	0.0020	0.029	10.0	0.0024	0.062	0.0022	0.0024	0.221	(0	0
PHENANTHRENE	0.024	10.0	0.0020	0.029	10.0	0.0024	0.007	0.0022	0.0024	0.018	0	0
PYRENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.008	0.0011	0.0012	0.018	0	0
TETRACHLOROETHENE	0.025	4.3	0.0009	0.029	4.3	0.0010	0.020	0.0010	0.0010	0.063	0	0
TOLUENE	0.025	18.9	0.0040	0.029	17.7	0.0042	0.011	0.0041	0.0042	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.075	0.0011	0.0012	0.305	0	0
1,1,1-TRICHLOROETHANE	0.025	6.5	0.0014	0.029	6.5	0.0016	0.008	0.0015	0.0016	0.023	0	0
1,1,2-TRICHLOROETHANE	0.025	17.0	0.0036	0.029	17.0	0.0041	0.012	0.0038	0.0041	0.049	0	0
TRICHLOROETHENE	0.025	6.2	0.0013	0.029	6.2	0.0015	0.010	0.0014	0.0015	0.026	0	0
VINYL CHLORIDE	0.025	8.0	0.0017	0.029	8.0	0.0019	0.037	0.0018	0.0019	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	14-Mar-08		13-Mar-08			
LEAD	0.01	mg/l	0.019	mg/l		
ZINC	0.043	MG/L	0.071	MG/L		[
TOTAL CYANIDE	0.019	MG/L	0.026	MG/L		
TOTAL CYANIDE	0.004	# / DAY	0.006	# / DAY	7	!
COD	1350	MG/L	1200	MG/L	7	
PHENOLICS	43.5	MG/L	34.4	MG/L	7	
PHOSPHOROUS	0.57	MG/L	0.68	MG/L	Ţ]
TOTAL SUSPENDED SOLIDS	52	MG/L	67	MG/L		

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2007 - 5/2008

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
4.5.07	40.450		40.005	4 5 1 60	45 700	4.14		4 A 00	45.004	4.1400	40.000
1-Dec-07	10,452	1-Jan-08	12,925	1-Feb-08	15,732	1-Mar-08	27,442	1-Apr-08	15,234	1-May-08	18,889
2-Dec-07	9,437	2-Jan-08	21,071	2-Feb-08	14,182	2-Mar-08	26,651	2-Apr-08	18,176	2-May-08	12,922
3-Dec-07	18489	3-Jan-08	16,561	3-Feb-08	17,637	3-Mar-08	25,389	3-Apr-08	19,221	3-May-08	11,343
4-Dec-07	25625	4-Jan-08	30,957	4-Feb-08	17,013	4-Mar-08	28,065	4-Apr-08	18,362	4-May-08	13,533
5-Dec-07	39450	5-Jan-08	24,236	5-Feb-08	27,855	5-Mar-08	25,905	5-Apr-08	17,604	5-May-08	12,943
6-Dec-07	31850	6-Jan-08	12,714	6-Feb-08	32,247	6-Mar-08	25,473	6-Apr-08	14,400	6-May-08	24,144
7-Dec-07	15654	7-Jan-08	17,859	7-Feb-08	24,610	7-Mar-08	22,592	7-Apr-08	15,948	7-May-08	16,708
8-Dec-07	13366	8-Jan-08	18,706	8-Feb-08	19,709	8-Mar-08	21,952	8-Apr-08	25,865	8-May-08	36,305
9-Dec-07	18038	9-Jan-08	19,842	9-Feb-08	14,526	9-Mar-08	18,931	9-Apr-08	30,371	9-May-08	14,611
10-Dec-07	17002	10-Jan-08	23,128	10-Feb-08	14,262	10-Mar-08	17,750	10-Apr-08	17,996	10-May-08	14,535
11-Dec-07	17667	11-Jan-08	11,719	11-Feb-08	11,981	11-Mar-08	20,330	11-Apr-08	20,925	11-May-08	17,297
12-Dec-07	19145	12-Jan-08	6,992	12-Feb-08	20,111	12-Mar-08	25,187	12-Apr-08	19,971	12-May-08	12,833
13-Dec-07	17730	13-Jan-08	9,532	13-Feb-08	15,478	13-Mar-08	28,611	13-Apr-08	13,222	13-May-08	15,627
14-Dec-07	15504	14-Jan-08	7,690	14-Feb-08	24,682	14-Mar-08	24,187	14-Apr-08	10,438	14-May-08	11,858
15-Dec-07	13099	15-Jan-08	10955	15-Feb-08	18,641	15-Mar-08	17,484	15-Apr-08	21,963	15-May-08	20,951
16-Dec-07	11282	16-Jan-08	13782	16-Feb-08	30,427	16-Mar-08	17,412	16-Apr-08	22,024	16-May-08	19,802
17-Dec-07	9927	17-Jan-08	12554	17-Feb-08	30,851	17-Mar-08	19,180	17-Apr-08	20,128	17-May-08	14,276
18-Dec-07	10539	18-Jan-08	12275	18-Feb-08	35,899	18-Mar-08	27,188	18-Apr-08	9,850	18-May-08	12,505
19-Dec-07	17280	19-Jan-08	8,565	19-Feb-08	40,022	19-Mar-08	22,745	19-Apr-08	7,892	19-May-08	13,232
20-Dec-07	17909	20-Jan-08	8,269	20-Feb-08	30,955	20-Mar-08	17,402	20-Apr-08	11,909	20-May-08	16,382
21-Dec-07	17720	21-Jan-08	8,505	21-Feb-08	25,534	21-Mar-08	17,677	21-Apr-08	15,004	21-May-08	15,516
22-Dec-07	12778	22-Jan-08	15,746	22-Feb-08	31,137	22-Mar-08	16,274	22-Apr-08	10,207	22-May-08	17,005
23-Dec-07	15358	23-Jan-08	17,214	23-Feb-08	30,865	23-Mar-08	13,207	23-Apr-08	13,867	23-May-08	14,609
24-Dec-07	14754	24-Jan-08	16,953	24-Feb-08	16,878	24-Mar-08	12,739	24-Apr-08	18,392	24-May-08	18,622
25-Dec-07	12397	25-Jan-08	18,530	25-Feb-08	18,880	25-Mar-08	18,084	25-Apr-08	13,693	25-May-08	21,523
26-Dec-07	14942	26-Jan-08	12,701	26-Feb-08	22,094	26-Mar-08	27,634	26-Apr-08	9,186	26-May-08	19,552
27-Dec-07	16771	27-Jan-08	25,684	27-Feb-08	23,174	27-Mar-08	22,859	27-Apr-08	12,503	27-May-08	10,346
28-Dec-07	32303	28-Jan-08	5,709	28-Feb-08	30,172	28-Mar-08	17,786	28-Apr-08	18,047	28-May-08	21,544
29-Dec-07	11070	29-Jan-08	11,889	29-Feb-08	29,968	29-Mar-08	22,473	29-Apr-08	18,100	29-May-08	17,249
30-Dec-07	9191	30-Jan-08	14,403	25-1 05-00	25,500	30-Mar-08	18,035	30-Apr-08	21,751	30-May-08	20,690
31-Dec-07	4,228	31-Jan-08	13,682		+	31-Mar-08	16,176	30-74pi-00	21,731	31-May-08	20,412
31-060-07	4,220	31-3411-00	13,002	 	+	3 1-Ivial-00	10,170			31-Iviay-00	20,412
Total	510,957		461,350		685,522		662,819		502,251		527,765
Average	16,482		14,940		23,639		21,555		16,742		16,912
	 			 	 	<u> </u>					
Maximum	39,450		30,957	 	40,022	 	28,611		30,371	 	36,305

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2008
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I. FLOWS						
see attached flow report. All days are	included.					
<u>II. рН</u>	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
% COMPLIANCE	99.84%	99.84%	99.76%	99.58%	99.40%	99.87%

% COMPLIANCE	99.84%	99.84%	99.76%	99.58%	99.40%	99.87%						
III. OTHER PARAMETERS - MASS L	<u>IMITS</u>											
	23-Sep-08	23-Sep-08	23-Sep-08	24-Sep-08	24-Sep-08	24-Sep-08	CITY AVG.	VDM	VDM	CITY MAX	Exceed =1	Exceed =1
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT		
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY		
ACENAPHTHENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.007	0.0049	0.0054	0.018	0	0
ANTHRACENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.007	0.0049	0.0054	0.018	0	0
BENZENE	0.023	4.6	0.0009	0.019	4.6	0.0007	0.022	0.0008	0.0009	0.051	0	0
BIS(2-ETHYLHEXYL) PHALATE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.036	0.0049	0.0054	0.099	0	0
CARBON TETRACHLORIDE	0.023	6.2	0.0012	0.019	6.1	0.0010	0.054	0.0011	0.0012	0.146	0	0
CHLOROBENZENE	0.023	7.1	0.0014	0.019	12.0	0.0019	0.054	0.0016	0.0019	0.146	0	0
CHLOROETHANE	0.023	9.4	0.0018	0.019	13.4	0.0021	0.042	0.0020	0.0021	0.113	0	0
CHLOROFORM	0.023	8.9	0.0017	0.019	14.4	0.0023	0.043	0.0020	0.0023	0.125	0	0
CHLOROMETHANE	0.023	8.0	0.0015	0.019	8.0	0.0013	0.042	0.0014	0.0015	0.113	0	0
DI-N-BUTYL PHTHALATE	0.023	5.0	0.0010	0.019	5.0	0.0008	0.008	0.0009	0.0010	0.016	0	0
1,2-DICHLOROBENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.075	0.0049	0.0054	0.305	0	0
1,3-DICHLOROBENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.054	0.0049	0.0054	0.146	0	0
1,4-DICHLOROBENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.054	0.0049	0.0054	0.146	0	0
1,1-DICHLOROETHANE	0.023	5.0	0.0010	0.019	5.0	0.0008	0.008	0.0009	0.0010	0.023	0	0
1,2-DICHLOROETHANE	0.023	6.8	0.0013	0.019	6.8	0.0011	0.069	0.0012	0.0013	0.220	0	0
1,1-DICHLOROETHENE	0.023	6.1	0.0012	0.019	6.1	0.0010	0.008	0.0011	0.0012	0.023	0	0
1,2-TRANS-DICHLOROETHENE	0.023	3.6	0.0007	0.019	3.6	0.0006	0.010	0.0006	0.0007	0.025	0	0
1,2-DICHLOROPROPANE	0.023	5.9	0.0011	0.019	5.9	0.0009	0.075	0.0010	0.0011	0.305	0	0
1,3-DICHLOROPROPENE	0.023	5.8	0.0011	0.019	5.8	0.0009	0.075	0.0010	0.0011	0.305	0	0
DIETHYL PHTHALATE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.018	0.0049	0.0054	0.043	0	0
DIMETHYL PHTHALATE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.007	0.0049	0.0054	0.018	0	0
4,6-DINITRO-2-METHYLPHENOL	0.023	28.0	0.0054	0.019	28.0	0.0044	0.030	0.0049	0.0054	0.106	0	0
ETHYLBENZENE	0.023	5.8	0.0011	0.019	5.8	0.0009	0.054	0.0010	0.0011	0.146	0	0
FLUORANTHENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.008	0.0049	0.0054	0.021	0	0
FLUORENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.007	0.0049	0.0054	0.018	0	0
HEXACHLOROBENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.075	0.0049	0.0054	0.305	0	0
HEXACHLOROBUTADIENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.054	0.0049	0.0054	0.146	0	0
HEXACHLOROETHANE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.075	0.0049	0.0054	0.305	0	0
METHYLENE CHLORIDE	0.023	5.8	0.0011	0.019	5.8	0.0009	0.014	0.0010	0.0011	0.065	0	0
NAPHTHALENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.007	0.0049	0.0054	0.018	0	0
NITRO BENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.858	0.0049	0.0054	2.456	0	0

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2-NITROPHENOL	0.023	28.0	0.0054	0.019	28.0	0.0044	0.025	0.0049	0.0054	0.089	0	0
4-NITROPHENOL	0.023	56.0	0.0107	0.019	56.0	0.0089	0.062	0.0098	0.0107	0.221	0	0
PHENANTHRENE	0.023	56.0	0.0107	0.019	56.0	0.0089	0.007	0.0098	0.0107	0.018	1	0
PYRENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.008	0.0049	0.0054	0.018	0	0
TETRACHLOROETHENE	0.023	4.3	0.0008	0.019	4.3	0.0007	0.020	0.0008	0.0008	0.063	0	0
TOLUENE	0.023	4.9	0.0009	0.019	4.9	0.0008	0.011	0.0009	0.0009	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.075	0.0049	0.0054	0.305	0	0
1,1,1-TRICHLOROETHANE	0.023	6.5	0.0012	0.019	6.5	0.0010	0.008	0.0011	0.0012	0.023	0	0
1,1,2-TRICHLOROETHANE	0.023	17.0	0.0033	0.019	17.0	0.0027	0.012	0.0030	0.0033	0.049	0	0
TRICHLOROETHENE	0.023	6.2	0.0012	0.019	6.2	0.0010	0.010	0.0011	0.0012	0.026	0	0
VINYL CHLORIDE	0.023	8.0	0.0015	0.019	8.0	0.0013	0.037	0.0014	0.0015	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	23-Sep-08		24-Sep-08		
LEAD	0.03	mg/l	0.03	mg/l	
ZINC	0.068	MG/L	0.068	MG/L	
TOTAL CYANIDE	0.016	MG/L	0.012	MG/L	
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY	
COD	2950	MG/L	1875	MG/L	
PHENOLICS	0.084	MG/L	0.05	MG/L	
PHOSPHOROUS	0.4	MG/L	0.62	MG/L	
TOTAL SUSPENDED SOLIDS	30	MG/L	42	MG/L	

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 6/2008 - 11/2008

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	
1-Jun-08	20,114	1-Jul-08	41,760	1-Aug-08	15,709	1-Sep-08	16,008	1-Oct-08	24,673	1-Nov-08	21,287	
2-Jun-08	14,984	2-Jul-08	38,929	2-Aug-08	12,428	2-Sep-08	20,213	2-Oct-08	38,723	2-Nov-08	23,982	***
3-Jun-08	13030	3-Jul-08	26,419	3-Aug-08	10,983	3-Sep-08	24,100	3-Oct-08	18,633	3-Nov-08	21,878	~
4-Jun-08	14359	4-Jul-08	22,763	4-Aug-08	9,090	4-Sep-08	23,110	4-Oct-08	20,915	4-Nov-08	27,740	
5-Jun-08	14323	5-Jul-08	17,566	5-Aug-08	16,650	5-Sep-08	19,331	5-Oct-08	27,879	5-Nov-08	29,304	
6-Jun-08	17174	6-Jul-08	19,663	6-Aug-08	20,022	6-Sep-08	16,512	6-Oct-08	21,667	6-Nov-08	25,884	
7-Jun-08	12810	7-Jul-08	23,954	7-Aug-08	20,428	7-Sep-08	16,121	7-Oct-08	24,978	7-Nov-08	20,527	
8-Jun-08	12871	8-Jul-08	32,471	8-Aug-08	24,304	8-Sep-08	19,608	8-Oct-08	41,142	8-Nov-08	19,940	υ-
9-Jun-08	12104	9-Jul-08	22,142	9-Aug-08	11,414	9-Sep-08	26,317	9-Oct-08	36,683	9-Nov-08	19,565	
10-Jun-08	26621	10-Jul-08	34,811	10-Aug-08	12,510	10-Sep-08	25,307	10-Oct-08	22,606	10-Nov-08	24,952	
11-Jun-08	32656	11-Jul-08	34,452	11-Aug-08	8,949	11-Sep-08	24,572	11-Oct-08	25,797	11-Nov-08	32,143	
12-Jun-08	37421	12-Jul-08	31,838	12-Aug-08	7,772	12-Sep-08	15,574	12-Oct-08	16,638	12-Nov-08	33,813	
13-Jun-08	27536	13-Jul-08	23,683	13-Aug-08	5,981	13-Sep-08	15,038	13-Oct-08	24,590	13-Nov-08	21,323	
14-Jun-08	25136	14-Jul-08	31,522	14-Aug-08	13,800	14-Sep-08	24,677	14-Oct-08	17,761	14-Nov-08	17,655	
15-Jun-08	16038	15-Jul-08	32095	15-Aug-08	15,451	15-Sep-08	27,869	15-Oct-08	25,519	15-Nov-08	17,615	
16-Jun-08	26391	16-Jul-08	32189	16-Aug-08	13,490	16-Sep-08	42,764	16-Oct-08	27,868	16-Nov-08	18,757	
17-Jun-08	27397	17-Jul-08	29016	17-Aug-08	8,751	17-Sep-08	21,391	17-Oct-08	27,289	17-Nov-08	15,590	
18-Jun-08	21456	18-Jul-08	29407	18-Aug-08	14,344	18-Sep-08	18,898	18-Oct-08	21,926	18-Nov-08	74,382	
19-Jun-08	27474	19-Jul-08	19,602	19-Aug-08	15,799	19-Sep-08	18,436	19-Oct-08	19,289	19-Nov-08	32,859	
20-Jun-08	16222	20-Jul-08	22,223	20-Aug-08	18,440	20-Sep-08	12,821	20-Oct-08	23,717	20-Nov-08	25,523	
21-Jun-08	18247	21-Jul-08	20,639	21-Aug-08	16,539	21-Sep-08	18,013	21-Oct-08	40,336	21-Nov-08	28,043	
22-Jun-08	19854	22-Jul-08	31,521	22-Aug-08	12,854	22-Sep-08	20,019	22-Oct-08	30,114	22-Nov-08	32,669	
23-Jun-08	22059	23-Jul-08	17,472	23-Aug-08	9,556	23-Sep-08	23,181	23-Oct-08	32,250	23-Nov-08	33,377	
24-Jun-08	23474	24-Jul-08	20,078	24-Aug-08	10,771	24-Sep-08	19,082	24-Oct-08	24,435	24-Nov-08	30,003	
25-Jun-08	23532	25-Jul-08	29,556	25-Aug-08	23,217	25-Sep-08	27,761	25-Oct-08	31,357	25-Nov-08	32,061	
26-Jun-08	25464	26-Jul-08	26,401	26-Aug-08	19,174	26-Sep-08	14,932	26-Oct-08	24,618	26-Nov-08	29,661	
27-Jun-08	45443	27-Jul-08	17,686	27-Aug-08	23,707	27-Sep-08	10,232	27-Oct-08	30,219	27-Nov-08	31,856	-0.46
28-Jun-08	19049	28-Jul-08	19,185	28-Aug-08	15,106	28-Sep-08	12,775	28-Oct-08	30,301	28-Nov-08	26,193	72 1020
29-Jun-08	17656	29-Jul-08	18,872	29-Aug-08	13,318	29-Sep-08	17,195	29-Oct-08	33,666	29-Nov-08	27,304	***
30-Jun-08	26250	30-Jul-08	25,442	30-Aug-08	8640	30-Sep-08	26,036	30-Oct-08	28,115	30-Nov-08	30,407	
		31-Jul-08	20,294	31-Aug-08	12003			31-Oct-08	24520			
Total	657,146		813,650		441,202		617,894		838,221		826,295	4,194,40
Average	21,198		26,480		14,307		20,596		27,123		27,543	.,
Maximum	45,443		41,760		24,304		42,764		41,142		74,382	
Average	22,920		11,700				.2,,,,,,,		.,,.,		,002	

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	MITS												_				
	20-May-09	20-May-09	20-May-09	21-May-09	21-May-09	21-May-09	27-May-09	27-May-09	27-May-09	28-May-09	28-May-09	28-May-09	CITY	OLD CITY	VDM	CITY MAX	OLD CITY
										1			MNTH AVG.	MNTH AVG.		DAILY	
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	MASS LIMIT	AVG LOAD	MASS LIMIT	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN#/DAY	IN#/DAY	IN#/DAY	IN # / DAY	IN #/DAY	IN #/DAY
ACENAPHTHENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
ANTHRACENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
BENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0077	0.022	0.0011	0.0180	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.022			0.024]	0.037			0.026			0.0128	0.036		0.0346	0.099
BROMODICHLOROMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011					
BROMOFORM	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011					
BROMOMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011					
CARBON TETRACHLORIDE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5,0	0.0015	0.026	5.0	0.0011	0.0191	0.054	0.0011	0.0510	0.146
CHLOROBENZENE	0.022	163.0	0.0306	0.024	73.5	0.0148	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0191	0.054	0.0120	0.0510	0.146
CHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0148	0.042	0.0011	0.0396	0.113
CHLOROFORM	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0149	0.043	0.0011	0.0436	0.125
CHLOROMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0148	0.042	0.0011	0.0396	0.113
DIBROMOCHLOROMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011			0.0011		
DI-N-BUTYL PHTHALATE	0.022			0.024			0.037			0.026			0.0027	0.008		0.0058	0.016
1,2-DICHLOROBENZENE	0.022			0.024			0,037			0.026			0.0263	0.075		0.1066	0.305
1,3-DICHLOROBENZENE	0.022			0.024			0.037			0.026			0.0191	0.054		0.0510	0.146
1,4-DICHLOROBENZENE	0.022			0.024			0.037			0.026			0.0191	0.054		0.0510	0.146
1,1-DICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0030	0.008	0.0011	0.0230	0.023
1,2-DICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0242	0.069	0.0011	0.0771	0,220
1,1-DICHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0030	800.0	0.0011	0.0081	0.023
1,2-TRANS-DICHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0034	0.010	0.0011	0.0089	0.025
1,2-DICHLOROPROPANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0263	0.075	0.0011	0.1066	0.305
1,3-DICHLOROPROPENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0263	0,075	0.0011	0.1066	0.305
DIETHYL PHTHALATE	0.022			0.024			0.037			0.026			0.0062	0.018		0.0152	0.043
DIMETHYL PHTHALATE	0.022			0.024			0.037			0.026			0.0026	0,007		0.0063	0.018
4,6-DINITRO-2-METHYLPHENOL	0.022			0.024			0.037			0.026			0.0105	0.030		0.0372	0.106
ETHYLBENZENE	0.022	22.7	0.0043	0.024	9.3	0.0019	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0191	0.054	0.0022	0.0510	0.146
FLUORANTHENE	0.022			0.024			0.037			0.026			0.0030	0.008		0.0073	0.021
FLUORENE	0.022			0.024			0.037		`` <u></u>	0.026			0.0026	0.007		0.0063	0.018
HEXACHLOROBENZENE	0.022			0.024			0.037			0.026			0.0263	0.075		0.1066	0.305
HEXACHLOROBUTADIENE	0.022			0.024			0.037			0.026			0.0191	0.054		0.0510	0.146
HEXACHLOROETHANE	0.022			0.024			0.037			0.026			0.0026	0.075		0.1066	0.305
METHYLENE CHLORIDE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0048	0.014	0.0011	0.0228	0.065
NAPHTHALENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
NITRO BENZENE	0.022			0.024			0.037			0.026			0.3004	0.858		0.8596	2.456
2-NITROPHENOL	0.022			0.024			0.037			0.026			0,0087	0.025		0.0310	0.089
4-NITROPHENOL	0.022			0.024			0.037			0.026			0.0218	0.062		0.0773	0.221
PHENANTHRENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
PYRENE	0.022			0.024			0.037			0.026			0.0027	0.008		0.0064	0.018
TETRACHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0070	0.020	0.0011	0.0220	0.063
TOLUENE	0.022	76.6	0.0144	0.024	26.2	0.0053	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0038	0.011	0.0056	0.0099	0.028
1,2,4-TRICHLOROBENZENE	0.022			0.024			0.037			0.026			0.0263	0.075		0.1066	0.305
1,1,1-TRICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0030	0.008	0.0011	0.0079	0.023
1,1,2-TRICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0043	0.012	0.0011	0.0171	0.049
TRICHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0035	0.010	0.0011	0.0093	0.026
VINYL CHLORIDE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0130	0.037	0.0011	0.0231	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

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<u>I. FLOWS</u>						
see attached flow report. All days are	ncluded.					
II. pH	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09
% COMPLIANCE	99.66%	98.57%	99.97%	100.00%	99.87%	99.87%
III. OTHER PARAMETERS - MASS L	IMITS					

III. OTHER PARAMETERS - MASS L		00 Mar 00	00.1100	04 14 00	24 14 001	24 Mar 00	04 4== 00	24 4 00	24 4== 00	22 4== 00	00 4 00	22 4 00	CITY	OLD CITY	V/DM	CITYMAY	OLD CITY	Exceed =1 Exceed =1
1	23-Mar-09	23-Mar-09	23-Mar-09	24-Mar-09	24-Mar-09	24-Mar-09	21-Apr-09	21-Apr-09	21-Apr-09	22-Apr-09	22-Apr-09	22-Apr-09		MNTH AVG.	VDM	CITY MAX DAILY		Exceed = 1 Exceed = 1
i	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASSICAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD			AVG LOAD	MASS LIMIT		
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY		IN PPB		IN MGD	IN PPB	IN#/DAY		IN # / DAY	IN#/DAY	IN #/DAY		1
ACENAPHTHENE	0.008	5.0	0.0003	0.007	5.0	0.0003		INTED	IN WILL	0.0148	INTED	IN#/DAT	0.0026	0.007	0,0003	0.0063	0.018	1 0 0
ANTHRACENE	0.008	5.0	0.0003	0.007	5.0	0.0003			 	0.0148			0.0026	0.007	0.0003	0.0063	0.018	1 0
BENZENE	0.008	50.0	0.0032	0.007	50.0	0.0028			0.0073	0.0148	50.0	0.0062	0.0020	0.022	0.0049	0.0180	0.051	1 0
BIS(2-ETHYLHEXYL) PHALATE	0.008	5.0	0.0003	0.007	11.5	0.0006		50.0		0.0148	50.0	0.0062	0.0128	0.036	0.0036	0.0346	0.099	l ň
BROMODICHLOROMETHANE	0.008	50.0	0.0032	0.007	50.0	0.0028		50.0			50.0	0.0062		0.000	0.0000	0.0040	- 5.555	1 0
BROMOFORM	0.008	50.0	0.0032	0.007	50.0	0.0028	2,0175	50.0		0.0148	50.0	0.0062						1 0
BROMOMETHANE	0.008	50.0	0.0032	0.007	50.0	0.0028		50.0		0.0148	50.0	0.0062	-					1 0
CARBON TETRACHLORIDE	0.008	50.0	0.0032	0.007	50.0	0.0028		50.0		0.0148	50.0	0.0062	0.0191	0.054	0.0049	0.0510	0,146	0
CHLOROBENZENE	0.008	484.0	0.0305	0.007	458.0	0.0258			0.0202	0.0148	50.0	0.0062	0.0191	0.054	0.0207	0.0510	0,146	1 1
CHLOROETHANE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0		0.0148	50.0	0.0062	0.0148	0.042	0.0049	0.0396	0,113	0
CHLOROFORM	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	123.0	0,0152	0.0149	0.043	0.0071	0.0436	0.125	0
CHLOROMETHANE	0.008	50.0	0.0032	0.007	50.0	0.0028		50.0	0.0073	0.0148	50.0	0.0062	0.0148	0.042	0.0049	0.0396	0.113	0
DIBROMOCHLOROMETHANE	0.008	50.0	0.0032		50.0	0.0000	1.0175	50.0	0.4243		50.0	0.0000						0
DI-N-BUTYL PHTHALATE	0.008	5,0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0027	0.008	0.0003	0.0058	0.016	0
1,2-DICHLOROBENZENE	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0263	0.075	0.0003	0.1066	0.305	0
1.3-DICHLOROBENZENE	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0191	0.054	0.0003	0.0510	0.146	. 0
1,4-DICHLOROBENZENE	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0191	0.054	0.0003	0.0510	0.146	0
1,1-DICHLOROETHANE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0030	800.0	0.0049	0.0230	0.023	1
1,2-DICHLOROETHANE	0.008	50.0	0,0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0242	0.069	0.0049	0.0771	0.220	0
1,1-DICHLOROETHENE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0030	800.0	0.0049	0.0081	0.023	1
1,2-TRANS-DICHLOROETHENE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0034	0.010	0.0049	0.0089	0.025	1
1,2-DICHLOROPROPANE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0263	0.075	0.0049	0.1066	0.305	0
1,3-DICHLOROPROPENE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0263	0.075	0.0049	0.1066	0.305	0
DIETHYL PHTHALATE	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0062	0.018	0.0003	0.0152	0.043	0
DIMETHYL PHTHALATE	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0026	0.007	0.0003	0.0063	0.018	0
4,6-DINITRO-2-METHYLPHENOL	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175			0.0148			0.0105	0.030	0.0003	0.0372	0.106	0
ETHYLBENZENE	0.008	313.0	0.0198	0.007	372.0	0.0209		210.0	0.0306	0.0148	180.0	0.0222	0.0191		0.0234	0.0510	0.146	1
FLUORANTHENE	0.008	5.0	0.0003	0.007	5.0	0.0003			1	0.0148			0.0030	800.0	0.0003	0.0073	0.021	0
FLUCRENE	0.008	5.0		0.007	5.0	0.0003	0.0175			0.0148			0.0026	0.007	0.0003	0.0063	0.018	0
HEXACHLOROBENZENE	0.008	5.0		0.007	5.0	0.0003				0.0148			0.0263		0.0003	0.1066	0.305	0
HEXACHLOROBUTADIENE	0.008	5.0		0.007	5.0	0.0003				0.0148			0.0191		0.0003	0.0510	0.146	0
HEXACHLOROETHANE	0.008	5.0	0.0003	0.007	5.0	0.0003				0.0148			0.0026		0.0003	0.1066	0,305	0
METHYLENE CHLORIDE	0.008	50.0	0.0032	0.007	50.0	0.0028		50.0	0.0073	0.0148	50.0	0.0062	0.0048	0.014	0.0049	0.0228	0.065	1 1
NAPHTHALENE	0.008	5.0	0.0003	0.007	5.0	0.0003				0.0148			0.0026	0,007	0.0003	0.0063	0.018	0
NITRO BENZENE	0.008	5.0	0.0003	0.007	5.0	0.0003				0.0148			0.3004	0.858	0.0003	0.8596	2.456	0
2-NITROPHENOL	0.008	5.0		0.007	5.0	0.0003				0.0148			0.0087	0.025	0.0003	0.0310	0.089	0
4-NITROPHENOL	0.008	10.0	0.0006	0.007	10.0	0.0006				0.0148			0.0218	0.062	0.0006	0.0773	0.221	0
PHENANTHRENE	0.008	10.0	0.0006	0.007	10,0	0.0006				0.0148			0.0026	0.007	0.0006	0.0063	0.018	0
PYRENE	0.008	5.0	0.0003	0.007	5.0	0.0003	0.0175		0.00=0	0.0148		0.0000	0.0027	0.008	0.0003	0.0064	0.018	1 0
TETRACHLOROETHENE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0		0.0148	50.0	0.0062	0.0070	0.020	0.0049	0.0220	0.063	0
TOLUENE	0.008	596.0	0.0376	0.007	556.0	0.0313		485.0	0.0706	0.0148	735.0	0.0906	0.0038	0.011	0.0575	0.0099	0.028	1 1
1,2,4-TRICHLOROBENZENE	0.008	5.0	0.0003	0.007	5.0	0.0003				0.0148		0.0000	0.0263	0.075	0.0003	0.1066	0.305	U
1,1,1-TRICHLOROETHANE	0.008	50.0	0,0032	0.007	50.0	0.0028	0.0175	50.0		0.0148	50.0	0.0062	0.0030	0.008	0.0049	0.0079	0.023	
1,1,2-TRICHLOROETHANE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0		0.0148	50.0	0.0062	0.0043	0.012	0.0049	0.0171	0.049	
TRICHLOROETHENE	0.008	6.2	0.0004	0.007	50.0	0.0028	0.0175	50.0		0.0148	50.0	0.0062	0.0035	0.010	0.0042	0.0093	0.026	1 1
VINYL CHLORIDE	0.008	50.0	0.0032	0.007	50.0	0.0028	0.0175	50.0	0.0073	0.0148	50.0	0.0062	0.0130	0.037	0.0049	0.0231	0.066	, ,

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	23-Mar-09		24-Mar-09		
LEAD	0.015	mg/l	0.012		

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ZINC	107	MG/L	0.139	MG/L	
TOTAL CYANIDE	0.01	MG/L	0.015	MG/L	
TOTAL CYANIDE	0,001	#/DAY	0.001	# / DAY	
COD	800	MG/L	600	MG/L	
PHENOLICS	0.177	MG/L	0.084	MG/L	
PHOSPHOROUS	1.32	MG/L	1.56	MG/L	1
TOTAL SUSPENDED SOLIDS	82	MG/L	152	MG/L	

VDM00956

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2008 - 5/2009

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD		
	0.0												
1-Dec-08	33,217	1-Jan-09	24,253	1-Feb-09	28,180	1-Mar-09	28,338	1-Apr-09	9,828	1-May-09	16,356		
2-Dec-08	33,326	2-Jan-09	25,146	2-Feb-09	35,885	2-Mar-09	27,824	2-Apr-09	16,762	2-May-09	12,045		
3-Dec-08	31,972	3-Jan-09	24,176	3-Feb-09	29,486	3-Mar-09	28,128	3-Apr-09	17,787	3-May-09	12,132		
4-Dec-08	35,844	4-Jan-09	26,349	4-Feb-09	29,057	4-Mar-09	29,034	4-Apr-09	16,774	4-May-09	14,135		
5-Dec-08	33,714	5-Jan-09	22,283	5-Feb-09	26,578	5-Mar-09	28,380	5-Apr-09	18,885	5-May-09	15,012		
6-Dec-08	29,263	6-Jan-09	28,573	6-Feb-09	30,142	6-Mar-09	46,495	6-Apr-09	15,724	6-May-09	12,211		
7-Dec-08	25,819	7-Jan-09	37,218	7-Feb-09	33,025	7-Mar-09	33,147	7-Apr-09	33,975	7-May-09	10,262		
8-Dec-08	30,992	8-Jan-09	32,128	8-Feb-09	33,013	8-Mar-09	23,067	8-Apr-09	23,858	8-May-09	11,833		
9-Dec-08	36,251	9-Jan-09	31,203	9-Feb-09	31,900	9-Mar-09	17,891	9-Apr-09	22,670	9-May-09	10,787		
10-Dec-08	49,365	10-Jan-09	22,692	10-Feb-09	40,200	10-Mar-09	12,059	10-Apr-09	13,361	10-May-09	8,214	·	
11-Dec-08	43,156	11-Jan-09	26,128	11-Feb-09	41,784	11-Mar-09	34,679	11-Apr-09	9,154	11-May-09	11,718		
12-Dec-08	28,394	12-Jan-09	24,493	12-Feb-09	39,375	12-Mar-09	17,820	12-Apr-09	9,014	12-May-09	18,758		
13-Dec-08	22,772	13-Jan-09	29,536	13-Feb-09	36,511	13-Маг-09	15,203	13-Apr-09	31,386	13-May-09	24,405		
14-Dec-08	21,153	14-Jan-09	31,439	14-Feb-09	31,059	14-Mar-09	14,625	14-Apr-09	21,556	14-May-09	12,281		
15-Dec-08	30,501	15-Jan-09	39,558	15-Feb-09	28,229	15-Mar-09	15,891	15-Apr-09	19,574	15-May-09	9,398		
16-Dec-08	33,959	16-Jan-09	26,338	16-Feb-09	29,066	16-Mar-09	14,040	16-Apr-09	24,182	16-May-09	10,729		
17-Dec-08	41,066	17-Jan-09	14,221	17-Feb-09	37,001	17-Mar-09	14,756	17-Apr-09	21,182	17-May-09	13,765		
18-Dec-08	36,635	18-Jan-09	30,668	18-Feb-09	33,162	18-Mar-09	11,060	18-Apr-09	6,268	18-May-09	16,658		
19-Dec-08	27,159	19-Jan-09	26,154	19-Feb-09	25,922	19-Mar-09	13,221	19-Apr-09	26,207	19-May-09	13,199		
20-Dec-08	28,373	20-Jan-09	32,677	20-Feb-09	38,630	20-Mar-09	15,510	20-Apr-09	19,670	20-May-09	22,486		
21-Dec-08	25,774	21-Jan-09	33,611	21-Feb-09	30,881	21-Mar-09	9,729	21-Apr-09	17,453	21-May-09	24,156		-
22-Dec-08	29,331	22-Jan-09	48,583	22-Feb-09	28,040	22-Mar-09	7,677	22-Apr-09	14,785	22-May-09	18,643		
23-Dec-08	28,999	23-Jan-09	11,405	23-Feb-09	25,921	23-Mar-09	7,566	23-Apr-09	14,638	23-May-09	15,139		
24-Dec-08	28,162	24-Jan-09	54,526	24-Feb-09	34,003	24-Mar-09	6,742	24-Apr-09	17,899	24-May-09	13,035		
25-Dec-08	28,018	25-Jan-09	23,246	25-Feb-09	43,014	25-Mar-09	8,850	25-Apr-09	15,773	25-May-09	9,688		
26-Dec-08	22,562	26-Jan-09	24,670	26-Feb-09	45,367	26-Mar-09	6,494	26-Apr-09	18,410	26-May-09	18,140		
27-Dec-08	33,778	27-Jan-09	24,166	27-Feb-09	40,908	27-Mar-09	17,022	27-Apr-09	21,987	27-May-09	36,954		
28-Dec-08	55,986	28-Jan-09	32,239	28-Feb-09	30,137	28-Mar-09	14,754	28-Apr-09	30,999	28-May-09	25,704		ł
29-Dec-08	30,346	29-Jan-09	28,946			29-Mar-09	14,430	29-Apr-09	28,123	29-May-09	12,253		
30-Dec-08	31,687	30-Jan-09	41,132			30-Mar-09	16,672	30-Apr-09	30,618	30-May-09	8,379		
31-Dec-08	24,320	31-Jan-09	35,510			31-Mar-09	13,308			31-May-09	10,713		
Total	991,894		913,265		936,476		564,411		588,501		469,190	4,463.737	24798.54
Average	31,997		28,849		33,446		18,370		19,617		15,283	.,	
,	01,007		20,010		20,,,,		, , , , , ,		10,011		10,200		
Maximum	55,986		54,526		45,367		46,495		33,975		36,954		

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I. FLOWS see attached flow report. All days are	included.						
<u>II. pH</u>	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	
% COMPLIANCE	99.66%	98.57%	99.97%	100.00%	99.87%	99.87%	

	18-Aug-09	18-Aug-09	18-Aug-09	19-Aug-09	19-Aug-09	19-Aug-09	20-Oct-09	20-Oct-09	20-Oct-09	21-Oct-09	21-Oct-09	21-Oct-09		OLD CITY	VDM		CITY MAX E
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASSICAD	DAILY FLOW	DATA	MASSIOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG. MASS LIMIT N	MNTH AVG.	AVG LOAD		DAILY MASS LIMIT
ARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN#/DAY	IN # / DAY	IN # / DAY	IN # / DAY		IN #/DAY
CENAPHTHENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	0.0026	0.007	0.0005	0.0005	0.0063
NTHRACENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0026	0.007	0.0005	0.0005	0.0063
NZENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0020	0.022	0.0003	0.0003	0.0180
S(2-ETHYLHEXYL) PHALATE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0003	0.0194	100.0	0.0161 *	0.0128	0.022	0.0005	0.0005	0.0346
ROMODICHLOROMETHANE	0,038	NA NA		0.030	NA.	0.0000	0.0210	5.0	0.0009	0.0194	5,0	0.0008	0.0128	0,030	0.0008	0.0009	0.0346
ROMOFORM	0.038	NA NA		0.030	NA NA		0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0128		0.0008	0.0009	0.0346
ROMOMETHANE	0.038	NA NA		0.030	NA.		0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0128		0.0008	0.0009	0.0346
ARBON TETRACHLORIDE	0.038	13.8	0.0044	0.030	5.0	0.0013	0.0210	5.0	0.0009		5.0	0.0008	0.0191	0.054	0.0018	0.0022	0.0510
HLOROBENZENE	0.038	187.0	0.0596	0.030	230.0	0.0581	0.0210	9.8	0.0017	0.0194	25.5	0.0041	0.0191	0.054	0.0309	0.0398	0.0510
ILOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0148	0.042	0.0011	0.0012	0.0396
ILOROFORM	0.038	7.1	0.0023	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0149	0.043	0.0013	0.0015	0.0436
ILOROMETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0148	0.042	0.0011	0.0012	0.0396
BROMOCHLOROMETHANE	0.038	NA		0.030	NA		0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0128	-:- ;	0.0008	0.0009	0.0346
-N-BUTYL PHTHALATE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009		100.0	0,0161 *	0.0027	0,008	0.0012	0.0012	0.0058
2-DICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0263	0.075	0.0005	0.0005	0.1066
3-DICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0191	0.054	0.0005	0,0005	0.0510
-DICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0191	0.054	0.0005	0.0005	0.0510
-DICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0,0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0030	0.008	0.0011	0.0012	0.0230
-DICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0242	0.069	0.0011	0.0012	0.0771
-DICHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5,0	0.0009	0.0194	5.0	0.0008	0.0030	0.008	0.0011	0.0012	0.0081
-TRANS-DICHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0034	0,010	0.0011	0.0012	0.0089
-DICHLOROPROPANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0263	0.075	0.0011	0.0012	0.1066
-DICHLOROPROPENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0263	0.075	0.0011	0.0012	0.1066
ETHYL PHTHALATE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0062	0.018	0.0005	0.0005	0.0152
METHYL PHTHALATE	0.038	2.0	0.0006	0.030	2.0	0,0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0026	0.007	0.0005	0.0005	0.0063
-DINITRO-2-METHYLPHENOL	0.038	4.0	0.0013	0.030	4.0	0.0010	0.0210	4.0	0.0007	0.0194	100.0	0.0161 *	0.0105	0.030	0.0010	0.0010	0.0372
HYLBENZENE	0.038	20.0	0.0064	0.030	19.5	0.0049	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0191	0.054	0.0032	0.0041	0.0510
UORANTHENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0030	800.0	0.0005	0.0005	0.0073
UORENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0026	0.007	0.0005	0.0005	0.0063
XACHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0263	0.075	0.0005	0.0005	0.1066
XACHLOROBUTADIENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0191	0.054	0.0005	0.0005	0.0510
XACHLOROETHANE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	2.0	0.0003	0.0026	0.075	0.0005	0.0005	0.1066
THYLENE CHLORIDE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0048	0.014	0.0011	0.0012	0.0228
PHTHALENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0026	0.007	0.0005	0.0005	0.0063
TRO BENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	0.3004	0.858	0.0005	0.0005	0.8596
ITROPHENOL	0.038	4.0	0.0013	0.030	4.0	0.0010	0.0210	4.0	0.0007	0.0194	100.0	0.0161 *	0.0087	0.025	0.0010	0.0010	0.0310
IITROPHENOL	0.038	4.0	0.0013	0.030	4.0	0.0010	0.0210	4.0	0.0007	0.0194	100.0	0.0161 *	0.0218	0.062	0.0010	0.0010	0.0773
ENANTHRENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0026	0.007	0.0005	0.0005	0.0063
RENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161 *	0.0027	0.008	0.0005	0.0005	0.0064
FRACHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0070	0.020	0.0011	0.0012	0.0220
LUENE	0.038	71.8	0.0229	0.030	72.4	0.0183	0.0210	71.8	0.0126	0.0194	5.0	0.0008	0.0038	0.011	0.0136	0.0179	0.0099
,4-TRICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	0.0263	0.075	0.0005	0.0005	0.1066
,1-TRICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0030	0.008	0.0011	0.0012	0.0079
,2-TRICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0043	0.012	0.0011	0.0012	0.0171
ICHLOROETHENE	0,038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0035	0.010	0.0011	0.0012	0.0093
NYL CHLORIDE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008	0.0130	0.037	0.0011	0.0012	0.0231

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	18-Aug-09	19-Aug-09	20-Oct-09	21-Oct-09	

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LEAD	0.01	mg/l	0.01	mg/l	0.01	mg/l	0.01	mg/l
ZINC	0.145	MG/L	0.162	MG/L	0.165	MG/L	0.195	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.003	#/DAY	0.003	# / DAY	0.003	# / DAY	0.002	#/DAY
COD	325	MG/L	250	MG/L	360	MG/L	3450	MG/L
PHENOLICS	0.013	MG/L	0.013	MG/L	0.01	MG/L	0.013	MG/L
PHOSPHOROUS	73	MG/L	1.28	MG/L	0.52	MG/L	0.62	MG/L
TOTAL SUSPENDED SOLIDS	100	MG/L	112	MG/L	50	MG/L	45	MG/L

VDM00959

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 6/2009 - 11/2009

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD		
Date	GFD -	Date	GFD	Date	GFU	Date	GFD	Date	GFD	Date	GFD		
1-Jun-09	11,957	1-Jul-09	10,975	1-Aug-09	7,602	1-Sep-09	57,708	1-Oct-09	17,808	1-Nov-09	14,818		
2-Jun-09	23,498	2-Jul-09	10,930	2-Aug-09	13,547	2-Sep-09	66,383	2-Oct-09	12,920	2-Nov-09	26,094		
3-Jun-09	11,705	3-Jul-09	11,996	3-Aug-09	18,987	3-Sep-09	74,652	3-Oct-09	15,585	3-Nov-09	21,528		
4-Jun-09	24,208	4-Jul-09	13,763	4-Aug-09	31,643	4-Sep-09	6,675	4-Oct-09	16,980	4-Nov-09	24,007		
5-Jun-09	9,508	5-Jul-09	11,963	5-Aug-09	25,620	5-Sep-09	43,312	5-Oct-09	19,262	5-Nov-09	19,271		
6-Jun-09	6,245	6-Jul-09	41,675	6-Aug-09	22,422	6-Sep-09	13,383	6-Oct-09	29,413	6-Nov-09	12,958		
7-Jun-09	9,160	7-Jul-09	36,586	7-Aug-09	23,692	7-Sep-09	11,716	7-Oct-09	28,956	7-Nov-09	16,710		
8-Jun-09	18,156	8-Jul-09	23,448	8-Aug-09	17,330	8-Sep-09	22,280	8-Oct-09	12,537	8-Nov-09	11,536		
9-Jun-09	32,876	9-Jul-09	30,727	9-Aug-09	18,964	9-Sep-09	30,946	9-Oct-09	10,654	9-Nov-09	22,013		
10-Jun-09	22,629	10-Jul-09	11,534	10-Aug-09	20,185	10-Sep-09	23,942	10-Oct-09	12,497	10-Nov-09	24,029		
11-Jun-09	14,023	11-Jul-09	13,694	11-Aug-09	49,133	11-Sep-09	26,050	11-Oct-09	3,276	11-Nov-09	21,718		
12-Jun-09	29,346	12-Jul-09	11,889	12-Aug-09	32,679	12-Sep-09	27,926	12-Oct-09	30,018	12-Nov-09	16,175		
13-Jun-09	6,817	13-Jul-09	15,374	13-Aug-09	31,166	13-Sep-09	35,050	13-Oct-09	17,196	13-Nov-09	10,510		
14-Jun-09	6,406	14-Jul-09	37,814	14-Aug-09	14,648	14-Sep-09	27,570	14-Oct-09	17,320	14-Nov-09	13,875		
15-Jun-09	15,815	15-Jul-09	34,087	15-Aug-09	11,713	15-Sep-09	19,919	15-Oct-09	15,118	15-Nov-09	13,848		
16-Jun-09	11,749	16-Jul-09	17,778	16-Aug-09	10,863	16-Sep-09	27,163	16-Oct-09	13,849	16-Nov-09	17,545		
17-Jun-09	13,319	17-Jul-09	16,621	17-Aug-09	19,888	17-Sep-09	29,010	17-Oct-09	12,256	17-Nov-09	19,381		
18-Jun-09	14,484	18-Jul-09	17,825	18-Aug-09	38,206	18-Sep-09	20,316	18-Oct-09	10,753	18-Nov-09	20,283		
19-Jun-09	13,370	19-Jul-09	12,354	19-Aug-09	30,311	19-Sep-09	19,015	19-Oct-09	18,324	19-Nov-09	21,534		
20-Jun-09	9,427	20-Jul-09	7,732	20-Aug-09	21,344	20-Sep-09	16,837	20-Oct-09	21,077	20-Nov-09	20,246		
21-Jun-09	2,819	21-Jul-09	18,534	21-Aug-09	12,909	21-Sep-09	15,735	21-Oct-09	19,355	21-Nov-09	16,365		
22-Jun-09	20,166	22-Jul-09	60,486	22-Aug-09	8,659	22-Sep-09	18,034	22-Oct-09	15,001	22-Nov-09	11,029		
23-Jun-09	29,731	23-Jul-09	15,244	23-Aug-09	10,635	23-Sep-09	21,876	23-Oct-09	10,156	23-Nov-09	13,301		
24-Jun-09	33,197	24-Jul-09	14,030	24-Aug-09	8,662	24-Sep-09	19,036	24-Oct-09	7,361	24-Nov-09	12,138		
25-Jun-09	28,254	25-Jul-09	25,603	25-Aug-09	4,131	25-Sep-09	17,371	25-Oct-09	17,230	25-Nov-09	3,711		
26-Jun-09	11,250	26-Jul-09	15,469	26-Aug-09	19,464	26-Sep-09	13,326	26-Oct-09	21,696	26-Nov-09	4,834		
27-Jun-09	11,280	27-Jul-09	49,204	27-Aug-09	24,778	27-Sep-09	17,147	27-Oct-09	20,715	27-Nov-09	10,824		
28-Jun-09	10,637	28-Jul-09	43,326	28-Aug-09	50,022	28-Sep-09	24,046	28-Oct-09	22,070	28-Nov-09	7,075		
29-Jun-09	19,854	29-Jul-09	30,634	29-Aug-09	55,262	29-Sep-09	21,121	29-Oct-09	17,095	29-Nov-09	5,734		
30-Jun-09	11,683	30-Jul-09	16,099	30-Aug-09	69587	30-Sep-09	18,941	30-Oct-09	17,971	30-Nov-09	15,860		
		31-Jul-09	9,898	31-Aug-09	67785			31-Oct-09	15,620				
Total	402 F70		697 202		701 927		786,487		520,067		468,950	2 720 005	5 20767.81
	483,572		687,292		791,837	<u> </u>						3,738,205	20/0/.8
Average	15,599		22,803		24,135		26,216		16,815		15,632		<u> </u>
Maximum	33,197		60,486		69,587		74,652		30,018		26,094		
- maximam	30,101		30,100		30,00.		. 1,002		20,0.0	1	20,001		

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I. FLOWS

see attached flow report. All days are included.						
<u>II. рН</u>	Dec-10	Jan-10	Feb-10	Mar-10	Apr-10	May-10
% COMPLIANCE	100.000%	99.350%	99.370%	99.800%	99.7	98.820%

III. OTHER PARAMETERS - MASS LIMITS 23-Mar-10 23-Mar-10 23-Mar-10 24-Mar-10 24-Mar-10 24-Mar-10 CITY OLD CITY VDM CITY MAX.. Exceed=1 (3/30/10) MNTH AVG. MNTH AVG. (3/30/10)DAILY **DAILY FLOW** DATA MASS LOAD DAILY FLOW MASS LOAD MASS LIMIT MASS LIMIT MASS LIMIT DATA AVG LOAD PARAMETER IN MGD IN PPB IN # / DAY IN MGD IN PPB IN#/DAY IN#/DAY IN#/DAY IN # / DAY IN #/DAY **ACENAPHTHENE** 0.0063 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0026 0.007 0.0013 **ANTHRACENE** 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0026 0.007 0.0013 0.0063 BENZENE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0077 0.022 0.0005 0.0180 **BIS(2-ETHYLHEXYL) PHALATE** 0.0211 50.0 0.0088 0.0148 50.0 0.0062 0.0128 0.036 0.0050 0.0346 BROMODICHLOROMETHANE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0191 0.0005 0.0510 **BROMOFORM** 0.0009 0.0211 5.0 0.0148 5.0 0.0006 0.0263 0.0005 0.1066 **BROMOMETHANE** 5.0 5.0 0.0191 0.0211 0.0009 0.0148 0.0006 0.0005 0.0510 CARBON TETRACHLORIDE 0.0211 0.0009 0.0006 0.0191 5.0 0.0148 5.0 0.054 0.0005 0.0510 CHLOROBENZENE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0191 0.054 0.0005 0.0510 CHLOROETHANE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0148 0.042 0.0005 0.0396 **CHLOROFORM** 0.0211 13.2 0.0023 0.0148 8.6 0.0011 0.0149 0.043 0.0011 0.0436 CHLOROMETHANE 0.0211 80.4 0.0141 0.0148 39.4 0.0049 0.0148 0.042 0.0063 0.0396 DIBROMOCHLOROMETHANE 5.0 0.0263 0.0211 5.0 0.0009 0.0006 0.0005 0.0148 0.1066 DI-N-BUTYL PHTHALATE 0.0183 0.0008 25.0 5.0 0.0148 0.0031 0.0027 0.008 0.0013 0.0058 1.2-DICHLOROBENZENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0263 0.075 0.0013 0.1066 1.3-DICHLOROBENZENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0191 0.054 0.0013 0.0510 1.4-DICHLOROBENZENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0191 0.054 0.0013 0.0510 1.1-DICHLOROETHANE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0030 0.008 0.0005 0.0230 1,2-DICHLOROETHANE 0.0211 5.0 0.0009 5.0 0.0242 0.069 0.0148 0.0006 0.0005 0.0771 1,1-DICHLOROETHENE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0030 0.008 0.0005 0.0081 1.2-TRANS-DICHLOROETHENE 0.0211 0.0009 5.0 0.0006 5.0 0.0148 0.0034 0.010 0.0005 0.0089 1.2-DICHLOROPROPANE 0.0211 5.0 0.0009 5.0 0.0148 0.0006 0.0263 0.075 0.0005 0.1066 1.3-DICHLOROPROPENE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0263 0.075 0.0005 0.1066 DIETHYL PHTHALATE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0062 0.018 0.0013 0.0152 DIMETHYL PHTHALATE 5.0 25.0 0.0026 0.0183 0.0008 0.0148 0.0031 0.007 0.0013 0.0063 4.6-DINITRO-2-METHYLPHENOL 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0105 0.030 0.0372 0.0013 ETHYLBENZENE 0.0211 0.0009 5.0 0.0006 5.0 0.0148 0.0191 0.054 0.0005 0.0510 FLUORANTHENE 0.0183 5.0 0.0008 0.0148 25.0 0.0030 0.008 0.0031 0.0013 0.0073 FLUORENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0026 0.007 0.0013 0.0063 HEXACHLOROBENZENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0263 0.075 0.0013 0.1066 HEXACHLOROBUTADIENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0191 0.054 0.0013 0.0510 HEXACHLOROETHANE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0026 0.075 0.0013 0.1066 METHYLENE CHLORIDE 0.0211 5.0 0.0009 0.0148 5.0 0.0006 0.0048 0.014 0.0005 0.0228 NAPHTHALENE 0.0183 5.0 0.0008 0.0148 25.0 0.0031 0.0026 0.007 0.0013 0.0063

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NITRO BENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.3004	0.858	0.0013	0.8596	0
2-NITROPHENOL	0.0183	10.0	0.0015	0.0148	25.0	0.0031	0.0087	0.025	0.0015	0.0310	0
4-NITROPHENOL	0.0183	5.0	0.0008	0.0148	50.0	0.0062	0.0218	0.062	0.0023	0.0773	0
PHENANTHRENE	0.0183	5.0	0.0008	0.0148	50.0	0.0062	0.0026	0.007	0.0023	0.0063	0
PYRENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0027	0.008	0.0013	0.0064	0
TETRACHLOROETHENE	0.0211	5.0	0.0009	0.0148	50.0	0.0062	0.0070	0.020	0.0023	0.0220	0
TOLUENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0038	0.011	0.0005	0.0099	0
1,2,4-TRICHLOROBENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0263	0.075	0.0013	0.1066	0
1,1,1-TRICHLOROETHANE	0.0211	5.0	0.0009	0.0148	25.0	0.0031	0.0030	0.008	0.0013	0.0079	0
1,1,2-TRICHLOROETHANE	0.0211	5.0	0.0009	0.0148	25.0	0.0031	0.0043	0.012	0.0013	0.0171	0
TRICHLOROETHENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0035	0.010	0.0005	0.0093	0
VINYL CHLORIDE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0130	0.037	0.0005	0.0231	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	23-Mar-10		24-Mar-10	
LEAD	0.01	* mg/l	0.01	mg/l
ZINC	0.418	* mg/l	0.180	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.002	# / DAY	0.001	# / DAY
COD	710	* mg/l	2250	MG/L
PHENOLICS	222	mg/l	150	MG/L
PHOSPHOROUS	0.87	* mg/l	0.67	MG/L
TOTAL SUSPENDED SOLIDS	71	* mg/l	40	MG/L

* samples taken 3/30/10 (includes semi- volatiles above)

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2009 - 5/2010

		·· (1								
Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD		
1-Dec-09	25,060	1-Jan-10	13,477	1-Feb-10	15,185	1-Mar-10	25,868	1-Apr-10	15,531	1-May-10	23,688		
2-Dec-09	26,764	2-Jan-10	13,204	2-Feb-10	44,161	2-Mar-10	18,960	2-Apr-10	11,546	2-May-10	23,810		
3-Dec-09	19,318	3-Jan-10	12,501	3-Feb-10	24,687	3-Mar-10	17,468	3-Apr-10	9,826	3-May-10	22,523		
4-Dec-09	24,287	4-Jan-10	14,891	4-Feb-10	18,316	4-Mar-10	17,101	4-Apr-10	9,862	4-May-10	27,281		
5-Dec-09	38,973	5-Jan-10	20,943	5-Feb-10	15,409	5-Mar-10	14,181	5-Apr-10	18,158	5-May-10	18,048		
6-Dec-09	32,469	6-Jan-10	23,578	6-Feb-10	15,224	6-Mar-10	13,320	6-Apr-10	28,205	6-May-10	5,937		
7-Dec-09	28,008	7-Jan-10	17,716	7-Feb-10	15,491	7-Mar-10	13,315	7-Apr-10	31,256	7-May-10	16,141		
8-Dec-09	20,642	8-Jan-10	13,693	8-Feb-10	21,746	8-Mar-10	18,346	8-Apr-10	20,330	8-May-10	25,419		
9-Dec-09	19,124	9-Jan-10	13,229	9-Feb-10	22,737	9-Mar-10	17,746	9-Apr-10	20,763	9-May-10	89,662		1
10-Dec-09	17,416	10-Jan-10	13,025	10-Feb-10	25,039	10-Mar-10	22,938	10-Apr-10	13,423	10-May-10	13,956		
11-Dec-09	10,852	11-Jan-10	15,861	11-Feb-10	20,983	11-Mar-10	23,389	11-Apr-10	12,262	11-May-10	12,561		
12-Dec-09	13,284	12-Jan-10	17,595	12-Feb-10	21,177	12-Mar-10	20,563	12-Apr-10	16,645	12-May-10	26,663		
13-Dec-09	13,332	13-Jan-10	17,926	13-Feb-10	18,130	13-Mar-10	15,277	13-Apr-10	21,040	13-May-10	29,947		
14-Dec-09	16,659	14-Jan-10	13,572	14-Feb-10	17,065	14-Mar-10	16,947	14-Apr-10	27,191	14-May-10	19,007		
15-Dec-09	20,650	15-Jan-10	19,779	15-Feb-10	13,945	15-Mar-10	19,642	15-Apr-10	15,784	15-May-10	27,038		
16-Dec-09	29,361	16-Jan-10	15,473	16-Feb-10	20,839	16-Mar-10	19,479	16-Apr-10	16,011	16-May-10	17,550		
17-Dec-09	12,096	17-Jan-10	16,246	17-Feb-10	13,753	17-Mar-10	16,468	17-Apr-10	13,510	17-May-10	17,034		
18-Dec-09	11,181	18-Jan-10	19,518	18-Feb-10	19,037	18-Маг-10	13,241	18-Арг-10	17,408	18-May-10	20,956		
19-Dec-09	9,379	19-Jan-10	17,300	19-Feb-10	16,790	19-Mar-10	15,129	19-Apr-10	29,965	19-May-10	16,398		
20-Dec-09	9,633	20-Jan-10	14,785	20-Feb-10	10,281	20-Mar-10	11,222	20-Apr-10	27,678	20-May-10	11,737		
21-Dec-09	15,119	21-Jan-10	8,379	21-Feb-10	10,571	21-Mar-10	12,266	21-Apr-10	27,233	21-May-10	10,047	***************************************	T
22-Dec-09	18,930	22-Jan-10	11,698	22-Feb-10	17,379	22-Mar-10	14,818	22-Apr-10	19,189	22-May-10	11,365	***************************************	
23-Dec-09	9,102	23-Jan-10	15,031	23-Feb-10	16,802	23-Mar-10	21,061	23-Apr-10	20,244	23-May-10	16,387		
24-Dec-09	8,436	24-Jan-10	15,576	24-Feb-10	16,566	24-Mar-10	21,149	24-Apr-10	13,478	24-May-10	21,640		
25-Dec-09	8,336	25-Jan-10	26,042	25-Feb-10	14,533	25-Mar-10	19,093	25-Apr-10	22,663	25-May-10	33.678		
26-Dec-09	7,368	26-Jan-10	20,994	26-Feb-10	14,769	26-Mar-10	13,930	26-Apr-10	24,168	26-May-10	21,501		
27-Dec-09	6,352	27-Jan-10	16,044	27-Feb-10	14,352	27-Mar-10	11,257	27-Apr-10	29,027	27-May-10	20,156		
28-Dec-09	8,969	28-Jan-10	17,358	28-Feb-10	20,633	28-Mar-10	12,275	28-Apr-10	28,420	28-May-10	19,528		
29-Dec-09	8,739	29-Jan-10	11,788		10,000	29-Mar-10	22,837	29-Apr-10	28,575	29-May-10	19,607		
30-Dec-09	8,293	30-Jan-10	11,415			30-Mar-10	18,261	30-Apr-10	20,507	30-May-10	20,304		
31-Dec-09	18,170	31-Jan-10	12,557			31-Mar-10	20,226	3374.10	20,007	31-May-10	20,846		
31 1505 03	10,110	01-0011-10	12,001			0 mai 10	20,220	-	 	OT Way 10	20,040		
Total	516,302		491,197		515,602		537,775		609,897		680,415	3,351,188	18617.71
Average	16,655		16,111		18,414		17,252		20,330		21,986	3,331,188	10017.77
Average	10,000		10,111		10,717		11,202		20,550		21,300	-	
Maximum	38,973		26,042		44.161		25,868		31,256		89.662		+
IMAAIIIIGIII	100,010	!	20,042		-7-7,101		20,000		01,200	1	00,002		

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I. FLOWS								Results were less than quantation limit
see attached flow report. All days are included.								At least one result above quantation limit - VDM did not exceed the limit(s)
<u>II. pH</u>	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	, , , , , , , , , , , , , , , , , , , ,	At least one result above quantation limit - VDM exceeded limit(s)
% COMPLIANCE	99.99%	99.98%	99.70%	99.92%	99.76%	95.19%		All results were less than quantation limit - City limit(s) exceeded
III. OTHER PARAMETERS - MASS LIMITS								

III. OTHER PARAMETERS - MASS LIMITS	99.9970	99,9670	99.70%	33.3270	99.70%	95.1976	L		Ivii resuits were	less than quanta	uon mint - City	iiiiii(s) exceede	su				
IN A THEIR I WINNIE LEIZO - MINON FIMILIO	26-Oct-10	26-Oct-10	26-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	21-Nov-10	21-Nov-10	21-Nov-10	22-Nov-10	22-Nov-10	22-Nov-10		VDM	CITY MAX		
	DAILY FLOW	DATA	MASSICAD	DAILY FLOW	DATA	MASSIOAD	DAILY FLOW	DATA	MASSICAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG. MASS LIMIT	AVG LOAD	DAILY MASS LIMIT		
PARAMETER	IN MGD	IN PPB		IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB		IN MGD	IN PPB			IN # / DAY		AVG > AVG L	AV/G>MA
ACENAPHTHENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884	III WOD	milio	IN WIDA	IN WGD	INTER	IN # / DAT	0.0026	0.0617	0.0063	TRUE	TRU
ANTHRACENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884		-					0.0026	0.0617	0.0063	TRUE	TRU
BENZENE	0.0232	50.0		0.0212	5.0		0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0020	0.0037	0.0003	FALSE	FALS
BIS(2-ETHYLHEXYL) PHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884	0.0003	30.0	0.0037	0.0030	30.0	0.0040	0.0128	0.0617	0.0346	TRUE	TRU
BROMODICHLOROMETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0120	0.0037	0.0510	FALSE	FALS
BROMOFORM	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0		0.0096	50.0		0.0263	0.0037	0.1066	FALSE	FAL
BROMOMETHANE	0.0232	50.0		0.0212	5.0		0.0089	50.0		0.0096	50.0		0.0191	0.0037	0.0510	FALSE	FALS
CARBON TETRACHLORIDE	0.0232	50.0		0.0212	5.0		0.0089	50.0		0.0096	50.0	0.0040	0.0191	0.0037	0.0510	FALSE	FALS
CHLOROBENZENE	0.0232	1020.0	0.1971	0.0212	5.0	0.0009	0.0089	153.0		0.0096	1360.0		0.0191	0.0636	0.0510	TRUE	TRU
CHLOROETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0		0.0096	50.0	0.0040	0.0148	0.0037	0.0396	FALSE	FALS
CHLOROFORM	0.0232	50.0	0.0097	0.0212	5.2	0.0009	0.0089	50.0		0.0096	50.1	0.0040	0.0149	0.0037	0.0436	FALSE	FALS
CHLOROMETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0		0.0096	50.0	0.0040	0.0148	0.0037	0.0396	FALSE	FALS
DIBROMOCHLOROMETHANE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0		0.0096	50.0		0.0263	0.0037	0.1066	FALSE	FALS
DI-N-BUTYL PHTHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884	0.5556	00.0	5.5551		00.0	0.0070	0.0027	0.0617	0.0058	TRUE	TRU
1,2-DICHLOROBENZENE	0,0232	500.0	0.0966	0.0212	500.0	0.0884							0.0263	0.0617	0.1066	TRUE	FALS
.3-DICHLOROBENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0191	0.0617	0.0510	TRUE	TRU
,4-DICHLOROBENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0191	0.0617	0.0510	TRUE	TRU
1-DICHLOROETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0030	0.0037	0,0230	TRUE	FALS
,2-DICHLOROETHANE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50,0		0.0096	50.0	0.0040	0.0242	0.0037	0.0771	FALSE	FALS
.1-DICHLOROETHENE	0.0232	50.0		0.0212	5.0	0,0009	0.0089	50.0		0.0096	50.0	0.0040	0.0030	0.0037	0.0081	TRUE	FALS
1,2-TRANS-DICHLOROETHENE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0		0.0096	50.0	0.0040	0.0034	0.0037	0.0089	TRUE	FALS
,2-DICHLOROPROPANE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0263	0.0037	0.1066	FALSE	FALS
1,3-DICHLOROPROPENE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0263	0.0037	0.1066	FALSE	FALS
DIETHYL PHTHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884			0.0007			0.0010	0,0062	0.0617	0.0152	TRUE	TRU
DIMETHYL PHTHALATE	0.0232	500.0		0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRU
1.6-DINITRO-2-METHYLPHENOL	0.0232	1000.0	0.1932	0.0212	500.0	0.0884							0.0105	0.0939	0.0372	TRUE	TRU
THYLBENZENE	0.0232	69.2	0.0134	0.0212	59.6	0.0105	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0191	0.0063	0.0510	FALSE	FALS
LUORANTHENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0030	0.0617	0.0073	TRUE	TRU
LUORENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRU
HEXACHLOROBENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884		:					0.0263	0.0617	0.1066	TRUE	FALS
HEXACHLOROBUTADIENE	0,0232	500.0	0.0966	0.0212	500.0	0.0884							0.0191	0.0617	0.0510	TRUE	TRU
HEXACHLOROETHANE	0.0232	500.0	0.0966	0.0212	500.0	0.0884						····-	0.0026	0.0617	0.1066	TRUE	FALS
METHYLENE CHLORIDE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0048	0.0037	0.0228	FALSE	FALS
NAPHTHALENE	0.0232	500.0		0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRU
NITRO BENZENE	0.0232	500.0		0.0212	500.0	0.0884							0.3004	0.0617	0.8596	FALSE	FALS
2-NITROPHENOL	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0087	0.0617	0.0310	TRUE	TRU
I-NITROPHENOL	0.0232	1000.0		0.0212	1000.0	0.1767							0.0218	0.1233	0.0773	TRUE	TRU
HENANTHRENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRU
YRENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0027	0.0617	0.0064	TRUE	TRU
ETRACHLOROETHENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0070	0.0037	0.0220	FALSE	FALS
OLUENE	0.0232	74.7	0.0144	0.0212	36.5	0.0065	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0036	0,6657	0.0099	TRUE	FALS
.2.4-TRICHLOROBENZENE	0.0232	500.0		0.0212	500.0	0.0884						2,2310	0.0263	0.0617	0.1066	TRUE	FALS
,1,1-TRICHLOROETHANE	0.0232	50.0		0.0212	500.0	0.0884	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0030	0.0212	0.0079	TRUE	TRU
,1,2-TRICHLOROETHANE	0.0232	50.0		0.0212	500.0	0.0884	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0043	0.0212	0.0171	TRUE	TRU
TRICHLOROETHENE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0035	0.0037	0.0093	TRUE	FALS
VINYL CHLORIDE	0.0232	50.0		0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0130	0.0037	0.0231	FALSE	FALS

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	26-Oct-10		27-Oct-10	
LEAD	0.2	mg/l	0.2	mg/l
ZINC	0.24	mg/i	0.2	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.002	#/DAY	0.002	# / DAY
COD	2425	mg/l	2630	MG/L
PHENOLICS	0.01	mg/l	0.017	MG/L
PHOSPHOROUS	0.41	mg/l	0.3	MG/L
TOTAL SUSPENDED SOLIDS	29	mg/l	25	MG/L

VDM00965

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2009 - 5/2010

D-4-	000	D-4-	ODD	Dete	000	D-1-	ODD	5.1	000		000
Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
	 										
1-Jun-10	29,371	1-Jul-10	26,856	1-Aug-10	17,867	1-Sep-10	29,149	1-Oct-10	76,072	1-Nov-10	20,409
2-Jun-10	27,587	2-Jul-10	25,850	2-Aug-10	20,214	2-Sep-10	24,676	2-Oct-10	84,400	2-Nov-10	25,550
3-Jun-10	24,981	3-Jul-10	18,525	3-Aug-10	28,610	3-Sep-10	30,832	3-Oct-10	78,305	3-Nov-10	34,945
4-Jun-10	18,137	4-Jul-10	12,488	4-Aug-10	28,344	4-Sep-10	26,142	4-Oct-10	78,473	4-Nov-10	22,495
5-Jun-10	10,620	5-Jul-10	12,115	5-Aug-10	29,080	5-Sep-10	15,780	5-Oct-10	77,660	5-Nov-10	28,397
6-Jun-10	18,414	6-Jul-10	48,846	6-Aug-10	24,598	6-Sep-10	20,298	6-Oct-10	55,226	6-Nov-10	28,069
7-Jun-10	14,498	7-Jul-10	76,257	7-Aug-10	24,954	7-Sep-10	27,562	7-Oct-10	81,901	7-Nov-10	27,611
8-Jun-10	14,643	8-Jul-10	25,630	8-Aug-10	20,235	8-Sep-10	31,387	8-Oct-10	68,830	8-Nov-10	17,021
9-Jun-10	18,469	9-Jul-10	24,053	9-Aug-10	23,399	9-Sep-10	31,008	9-Oct-10	11,060	9-Nov-10	25,895
10-Jun-10	18,663	10-Jul-10	17,351	10-Aug-10	26,201	10-Sep-10	30,327	10-Oct-10	9,953	10-Nov-10	27,270
11-Jun-10	15,967	11-Jul-10	19,155	11-Aug-10	26,010	11-Sep-10	22,201	11-Oct-10	1,057	11-Nov-10	28,456
12-Jun-10	22,183	12-Jul-10	25,761	12-Aug-10	24,263	12-Sep-10	25,456	12-Oct-10	12,913	12-Nov-10	24,678
13-Jun-10	19,005	13-Jul-10	21,664	13-Aug-10	22,721	13-Sep-10	21,875	13-Oct-10	14,538	13-Nov-10	19,725
14-Jun-10	19,605	14-Jul-10	29,056	14-Aug-10	19,739	14-Sep-10	32,864	14-Oct-10	9,470	14-Nov-10	20,438
15-Jun-10	25,405	15-Jul-10	21,379	15-Aug-10	18,835	15-Sep-10	33,782	15-Oct-10	13,506	15-Nov-10	19,708
16-Jun-10	23,761	16-Jul-10	15,881	16-Aug-10	29,005	16-Sep-10	22,226	16-Oct-10	15,165	16-Nov-10	20,302
17-Jun-10	25,548	17-Jul-10	12,655	17-Aug-10	38,929	17-Sep-10	20,518	17-Oct-10	18,770	17-Nov-10	34,108
18-Jun-10	16,537	18-Jul-10	11,133	18-Aug-10	33,002	18-Sep-10	14,449	18-Oct-10	28,663	18-Nov-10	24,149
19-Jun-10	8,461	19-Jul-10	24,104	19-Aug-10	29,543	19-Sep-10	18,282	19-Oct-10	24,818	19-Nov-10	18,813
20-Jun-10	9,635	20-Jul-10	25,074	20-Aug-10	29,217	20-Sep-10	18,295	20-Oct-10	23,479	20-Nov-10	11,367
21-Jun-10	16,400	21-Jul-10	23,154	21-Aug-10	24,865	21-Sep-10	18,161	21-Oct-10	21,492	21-Nov-10	8,948
22-Jun-10	20,059	22-Jul-10	24,522	22-Aug-10	27,259	22-Sep-10	19,167	22-Oct-10	14,613	22-Nov-10	9,590
23-Jun-10	21,856	23-Jul-10	27,250	23-Aug-10	32,570	23-Sep-10	16,869	23-Oct-10	13,970	23-Nov-10	16,585
24-Jun-10	24,207	24-Jul-10	22,041	24-Aug-10	39,212	24-Sep-10	18,034	24-Oct-10	20,118	24-Nov-10	14,693
25-Jun-10	11,947	25-Jul-10	22,818	25-Aug-10	23,469	25-Sep-10	11,869	25-Oct-10	26,694	25-Nov-10	12,867
26-Jun-10	19,228	26-Jul-10	24,176	26-Aug-10	22,745	26-Sep-10	24,737	26-Oct-10	23,167	26-Nov-10	14,906
27-Jun-10	19,639	27-Jul-10	26,534	27-Aug-10	16,836	27-Sep-10	97,068	27-Oct-10	21,193	27-Nov-10	15,456
28-Jun-10	30,848	28-Jul-10	27,505	28-Aug-10	21,635	28-Sep-10	92,563	28-Oct-10	21,155	28-Nov-10	13,133
29-Jun-10	31,273	29-Jul-10	26,021	29-Aug-10	18,469	29-Sep-10	83,831	29-Oct-10	19,478	29-Nov-10	20,565
30-Jun-10	22,582	30-Jul-10	25,008	30-Aug-10	19,626	30-Sep-10	77,925	30-Oct-10	14,570	30-Nov-10	21,081
		31-Jul-10	19,730	31-Aug-10	19,479	•		31-Oct-10	20,367		
					· .						
Total	599,531		762,589		780,929		957,335		1,001,078		627,231
Average	19,340		24,753		25,382		31,911		32,690	***************************************	20,908
					+		<u> </u>				
Maximum	31,273		76,257		39,212		97,068		84,400		34,945
			1	·			 	+	, , , , , ,		,

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I. FLOWS

see attached flow report. All days are included.

 II. pH
 Dec-10
 Jan-11
 Feb-11
 Mar-11
 Apr-11
 May-11

 % COMPLIANCE
 99.99%
 99.99%
 99.71%
 100.00%
 99.96%
 99.97%

III. OTHER PARAMETERS - MASS LIMITS

III. OTHER PARAMETERS - MASS L	<u>IMITS</u>									_
	09-Feb-11	09-Feb-11	09-Feb-11	10-Feb-11	10-Feb-11	10-Feb-11	CITY	VDM	CITY MAX	Exceed=1
			İ					MNTH AVG.	DAILY	'
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MASS LIMIT	<u> </u>
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN#/DAY	IN#/DAY	IN #/DAY	<i>-</i>
ACENAPHTHENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063	.] o
ANTHRACENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063	.] o
BENZENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0077	0.0003	0.0180	<i>i</i>] o
BIS(2-ETHYLHEXYL) PHALATE	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0128	0.0016	0.0346	.] o
BROMODICHLOROMETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0191	0.0003	0.0510	.] o
BROMOFORM	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066	,] o
BROMOMETHANE	0.0361	3.8	0.0011	0.0222	4.0	0.0007	0.0191	0.0006	0.0510	,] o
CARBON TETRACHLORIDE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0191	0.0003	0.0510	0
CHLOROBENZENE	0.0361	22.1	0.0067	0.0222	22.1	0.0041	0.0191	0.0036	0.0510	.] o
CHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0148	0.0003	0.0396	.] o
CHLOROFORM	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0149	0.0003	0.0436	.] 0
CHLOROMETHANE	0.0361	12.6	0.0038	0.0222	11.5	0.0021	0.0148	0.0020	0.0396	0
DIBROMOCHLOROMETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066	0
DI-N-BUTYL PHTHALATE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0027	0.0008	0.0058	0
1,2-DICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0263	0.0008	0.1066	0
1,3-DICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0191	0.0008	0.0510	0
1,4-DICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0191	0.0008	0.0510	0
1,1-DICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0030	0.0003	0.0230	0
1,2-DICHLOROETHANE	0.0361	2.0		0.0222	2.0	0.0004	0.0242	0.0003	0.0771	0
1,1-DICHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0030	0.0003	0.0081	0
1,2-TRANS-DICHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0034	0.0003	0.0089	0
1,2-DICHLOROPROPANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066	0
1,3-DICHLOROPROPENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066	0
DIETHYL PHTHALATE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0062	0.0008	0.0152] 0
DIMETHYL PHTHALATE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063	0
4,6-DINITRO-2-METHYLPHENOL	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0105	0.0016	0.0372	0
ETHYLBENZENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0191	0.0003	0.0510	0
FLUORANTHENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0030	0.0008	0.0073	0
FLUORENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063	0
HEXACHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0263	0.0008	0.1066	0
HEXACHLOROBUTADIENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0191	0.0008	0.0510	0

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HEXACHLOROETHANE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.1066	0
METHYLENE CHLORIDE	0.0361	7.2	0.0022	0.0222	2.8	0.0005	0.0048	0.0009	0.0228] 0
NAPHTHALENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063] 0
NITRO BENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.3004	0.0008	0.8596	0
2-NITROPHENOL	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0087	0.0016	0.0310	0
4-NITROPHENOL	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0218	0.0016	0.0773	0
PHENANTHRENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063] 0
PYRENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0027	0.0008	0.0064	0
TETRACHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0070	0.0003	0.0220] 0
TOLUENE	0.0361	2.0	0.0006	0.0222	2.2	0.0004	0.0038	0.0003	0.0099] 0
1,2,4-TRICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0263	0.0008	0.1066	0
1,1,1-TRICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0030	0.0003	0.0079	0
1,1,2-TRICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0043	0.0003	0.0171	0
TRICHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0035	0.0003	0.0093] 0
VINYL CHLORIDE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0130	0.0003	0.0231] 0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	09-Feb-11		10-Feb-11	
LEAD	0.01	* mg/l	0.01	mg/l
ZINC	0.418	* mg/l	0.180	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY
COD	710	* mg/l	2250	MG/L
PHENOLICS	222	mg/l	150	MG/L
PHOSPHOROUS	0.87	* mg/l	0.67	MG/L
TOTAL SUSPENDED SOLIDS	71	* mg/l	40	MG/L

* samples taken 3/30/10 (includes semi- volatiles above)

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2010 - 5/2011

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD		
			10.000	4 5 1 44	44.740	4 8 8 4 4	00.007		20.407	4.1444	04.047		
1-Dec-10	33,435	1-Jan-11	16,096	1-Feb-11	14,742	1-Mar-11	29,627	1-Apr-11	20,407	1-May-11	21,817		
2-Dec-10	26,257	2-Jan-11	18,026	2-Feb-11	29,178	2-Mar-11	22,363	2-Apr-11	19,136	2-May-11	25,408		
3-Dec-10	14,463	3-Jan-11	17,486	3-Feb-11	27,291	3-Mar-11	20,469	3-Apr-11	20,302	3-May-11	34,800		
4-Dec-10	20,359	4-Jan-11	20,584	4-Feb-11	31,054	4-Mar-11	20,916	4-Apr-11	18,457	4-May-11	39,374		
5-Dec-10	23,438	5-Jan-11	23,814	5-Feb-11	27,001	5-Mar-11	26,115	5-Apr-11	21,327	5-May-11	25,678		
6-Dec-10	22,399	6-Jan-11	23,266	6-Feb-11	22,942	6-Mar-11	28,223	6-Apr-11	31,774	6-May-11	25,337		
7-Dec-10	24,258	7-Jan-11	22,267	7-Feb-11	22,942	7-Mar-11	24,047	7-Apr-11	36,722	7-May-11	23,464		
8-Dec-10	17,443	8-Jan-11	14,176	8-Feb-11	22,942	8-Mar-11	27,828	8-Apr-11	28,576	8-May-11	18,333		
9-Dec-10	25,811	9-Jan-11	15,780	9-Feb-11	36,122	9-Mar-11	25,414	9-Apr-11	22,347	9-May-11	20,299		
10-Dec-10	22,000	10-Jan-11	30,192	10-Feb-11	22,155	10-Mar-11	32,082	10-Apr-11	24,594	10-May-11	23,604		
11-Dec-10	22,550	11-Jan-11	28,559	11-Feb-11	26,169	11-Mar-11	30,598	11-Apr-11	34,105	11-May-11	21,588		
12-Dec-10	14,274	12-Jan-11	27,906	12-Feb-11	20,352	12-Mar-11	26,676	12-Apr-11	35,711	12-May-11	16,318		
13-Dec-10	29,293	13-Jan-11	22,055	13-Feb-11	14,097	13-Mar-11	25,128	13-Apr-11	30,036	13-May-11	13,511		
14-Dec-10	26,425	14-Jan-11	13,027	14-Feb-11	15,624	14-Mar-11	22,697	14-Apr-11	24,999	14-May-11	17,929		
15-Dec-10	25,284	15-Jan-11	16,803	15-Feb-11	16,859	15-Mar-11	27,862	15-Apr-11	24,276	15-May-11	5,678		
16-Dec-10	19,391	16-Jan-11	15,121	16-Feb-11	21,311	16-Mar-11	28,907	16-Apr-11	23,233	16-May-11	20,153		
17-Dec-10	17,874	17-Jan-11	16,266	17-Feb-11	26,863	17-Mar-11	32,451	17-Apr-11	25,305	17-May-11	21,976		
18-Dec-10	17,253	18-Jan-11	24,571	18-Feb-11	18,889	18-Mar-11	24,329	18-Apr-11	24,426	18-May-11	21,174		
19-Dec-10	18,071	19-Jan-11	24,531	19-Feb-11	24,843	19-Mar-11	17,921	19-Apr-11	23,533	19-May-11	18,401		
20-Dec-10	19,444	20-Jan-11	20,029	20-Feb-11	20,847	20-Mar-11	13,631	20-Apr-11	28,673	20-May-11	22,111		
21-Dec-10	20,770	21-Jan-11	20,807	21-Feb-11	20,380	21-Mar-11	16,073	21-Apr-11	9,329	21-May-11	17,238		
22-Dec-10	15,927	22-Jan-11	12,037	22-Feb-11	26,328	22-Mar-11	26,574	22-Apr-11	16,657	22-May-11	16,154		
23-Dec-10	14,758	23-Jan-11	12,443	23-Feb-11	27,080	23-Mar-11	30,080	23-Apr-11	18,627	23-May-11	23,999		
24-Dec-10	11,785	24-Jan-11	22,042	24-Feb-11	16,658	24-Mar-11	22,943	24-Apr-11	19,784	24-May-11	27,127		
25-Dec-10	12,237	25-Jan-11	25,411	25-Feb-11	20,793	25-Mar-11	22,362	25-Apr-11	24,408	25-May-11	29,808		
26-Dec-10	12,899	26-Jan-11	35,953	26-Feb-11	25,069	26-Mar-11	17,484	26-Apr-11	32,346	26-May-11	31,340		
27-Dec-10	12,349	27-Jan-11	23,272	27-Feb-11	18,719	27-Mar-11	14,091	27-Apr-11	27,378	27-May-11	22,780		
28-Dec-10	11,267	28-Jan-11	17,378	28-Feb-11	29,301	28-Mar-11	30,961	28-Apr-11	23,055	28-May-11	23,101		
29-Dec-10	16,614	29-Jan-11	20,400		<u> </u>	29-Mar-11	34,668	29-Apr-11	24,917	29-May-11	18,951		
30-Dec-10	20,291	30-Jan-11	22,041			30-Mar-11	35,307	30-Apr-11	24,137	30-May-11	22,807		
31-Dec-10	17,953	31-Jan-11	24,746			31-Mar-11	29,953			31-May-11	24,029		
Total	606,570		647,084		646,554		787,779		738,577		694,289	4.120.85	3 22893.63
Average	19,567		20,700		23,091	-	25,261		24,619		22,342		
Maximum	33,435		35,953		36,122		35,307		36,722		39,374		

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I. FLOWS

see attached flow report. All days are included.

<u>II. pH</u> Dec-10 Jan-11 Feb-11 Mar-11 Apr-11 May-11

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

III. OTHER PARAMETERS - MASS L	20-Sep-11	20-Sep-11	20-Sep-11	21-Sep-11	21-Sep-11	21-Sep-11	CITY	VDM	CITY MAX	Exceed=1	Dif	fference
		обр	_5 G5F	ш. оср	Z, 00p	2. cop , .		MNTH AVG.	DAILY	LACOCU I	٥,,	10,01100
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT					
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN#/DAY	IN#/DAY	IN #/DAY			
ACENAPHTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063		1	-0.0085
ANTHRACENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063		1	-0.0085
BENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0077	0.0032	0.0180		0	0.0121
BIS(2-ETHYLHEXYL) PHALATE	0.0356	100.0	0.0297	0.0222	50.0	0.0092	0.0128	0.0130	0.0346		1	0.0049
BROMODICHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510		0	0.0451
BROMOFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066		0	0.1007
BROMOMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510		0	0.0451
CARBON TETRACHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510		0	0.0451
CHLOROBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510		0	0.0451
CHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0148	0.0032	0.0396		0	0.0337
CHLOROFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0149	0.0032	0.0436		0	0.0377
CHLOROMETHANE	0.0356	40.3	0.0120	0.0222	20.0	0.0037	0.0148	0.0052	0.0396		0	0.0276
DIBROMOCHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066		0	0.1007
DI-N-BUTYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0027	0.0080	0.0058		1	-0.0090
1,2-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0263	0.0080	0.1066		0	0.0918
1,3-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0191	0.0080	0.0510		0	0.0362
1,4-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.9	0.0094	0.0191	0.0081	0.0510		0	0.0362
1,1-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0030	0.0032	0.0230		1	0.0171
1,2-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0242	0.0032	0.0771		0	0.0712
1,1-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0030	0.0032	0.0081		1	0.0022
1,2-TRANS-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0034	0.0032	0.0089		0	0.0030
1,2-DICHLOROPROPANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066		0	0.1007
1,3-DICHLOROPROPENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066		0	0.1007
DIETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0062	0.0080	0.0152		1	0.0004
DIMETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063		1	-0.0085
4,6-DINITRO-2-METHYLPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0105	0.0161	0.0372		1	0.0075
ETHYLBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510		0	0.0451
FLUORANTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0030	0.0080	0.0073		1	-0.0075
FLUORENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0026	0.0062	0.0063		1	-0.0085
HEXACHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0263	0.0080	0.1066		0	0.0918
HEXACHLOROBUTADIENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0191	0.0062	0.0510		0	0.0362

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HEXACHLOROETHANE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.1066	1	0.0918
METHYLENE CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0048	0.0032	0.0228	0	0.0169
NAPHTHALENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
NITRO BENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.3004	0.0080	0.8596	0	0.8448
2-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0087	0.0161	0.0310	1	0.0013
4-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0218	0.0161	0.0773	0	0.0476
PHENANTHRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
PYRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0027	0.0080	0.0064	1	-0.0084
TETRACHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0070	0.0032	0.0220	0	0.0161
TOLUENE	0.0356	29.2	0.0087	0.0222	20.0	0.0037	0.0038	0.0041	0.0099	1	0.0012
1,2,4-TRICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0263	0.0080	0.1066	0	0.0918
1,1,1-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0030	0.0032	0.0079	1	0.0020
1,1,2-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0043	0.0032	0.0171	0	0.0112
TRICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0035	0.0032	0.0093	0	0.0034
VINYL CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0130	0.0032	0.0231	0	0.0172

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	20-Sep-11		21-Sep-11	
LEAD	0.01	* mg/l	0.01	mg/l
ZINC	0.487	* mg/l	0.444	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY
COD	3350	* mg/l	1090	MG/L
PHENOLICS	0.005	mg/l	0.005	MG/L
PHOSPHOROUS	0.4	* mg/l	0.29	MG/L
TOTAL SUSPENDED SOLIDS	9	* mg/l	40	MG/L

* samples taken 3/30/10 (includes semi- volatiles above) 18

Excedence#

VDM00971

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2010 - 5/2011

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD .	Date	GPD	Date	GPD
1-Dec-10	33,435	1-Jan-11	16.096	1-Feb-11	14,742	1-Mar-11	29 627	1-Apr-11	20,407	1-May-11	21,817	1-Jun-11	20634	1-Jul-11	20100	1-Aug-11	15806	1-Sep-11	28954	01-Oct-11	29691	01-Nov-11	23964	01-Dec-11	31 252
2-Dec-10	26,257	2-Jan-11	18,026	2-Feb-11	29.178	2-Mar-11	22.363	2-Apr-11	19.136	2-May-11	25,408	2-Jun-11	20413	2-Jul-11	18757	2-Aug-11	12806	2-Sep-11	28283	02-Oct-11		02-Nov-11	25646	02-Dec-11	
3-Dec-10	14,463	3-Jan-11	17,486	3-Feb-11	27,291	3-Mar-11	20,469	3-Apr-11	20.302	3-May-11	34,800	3-Jun-11	19980	3-Jul-11	18951	3-Aug-11	18612	3-Sep-11	12546	03-Oct-11		03-Nov-11	27295	03-Dec-11	
4-Dec-10	20,359	4-Jan-11	20,584	4-Feb-11	31.054	4-Mar-11	20.916	4-Apr-11	18.457	4-May-11	39,374	4-Jun-11	16459	4-Jul-11	11016	4-Aug-11	21705	4-Sep-11	20453	04-Oct-11		04-Nov-11	21893	04-Dec-11	
5-Dec-10	23,438	5-Jan-11	23,814	5-Feb-11	27.001	5-Mar-11	26.115	5-Apr-11	21.327	5-May-11	25.678	5-Jun-11	16537	5-Jul-11	15688	5-Aug-11	10744	5-Sep-11	23016	05-Oct-11		05-Nov-11	15842	05-Dec-11	
6-Dec-10	22,399	6-Jan-11	23.266	6-Feb-11	22,942	6-Mar-11	28,223	6-Apr-11	31.774	6-May-11	25,337	6-Jun-11	21792	6-Jul-11	19814	6-Aug-11	16122	6-Sep-11	28708	06-Oct-11		06-Nov-11	13382	06-Dec-11	
7-Dec-10	24,258	7-Jan-11	22,267	7-Feb-11	22,942	7-Mar-11	24,047	7-Apr-11	36,722	7-May-11	23,464	7-Jun-11	24470	7-Jul-11	20481	7-Aug-11	15231	7-Sep-11	28149	07-Oct-11		07-Nov-11	11867	07-Dec-11	
8-Dec-10	17,443	8-Jan-11	14,176	8-Feb-11	22,942	8-Mar-11	27,828	8-Apr-11	28,576	8-May-11	18,333	8-Jun-11	24727	8-Jul-11	17601	8-Aug-11	25013	8-Sep-11	28010	08-Oct-11	18450	08-Nov-11	23609	08-Dec-11	
9-Dec-10	25,811	9-Jan-11	15,780	9-Feb-11	36,122	9-Mar-11	25,414	9-Apr-11	22,347	9-May-11	20,299	9-Jun-11	18124	9-jui-11	21198	9-Aug-11	29813	9-Sep-11	25471	09-Oct-11	22227	09-Nov-11	21238	09-Dec-11	
10-Dec-10	22,000	10-Jan-11	30,192	10-Feb-11	22,155	10-Mar-11	32,082	10-Apr-11	24,594	10-May-11	23,604	10-Jun-11	19304	10-Jul-11	14351	10-Aug-11	23372	10-Sep-11	18808	10-Oct-11	29825	10-Nov-11	15921	10-Dec-11	
11-Dec-10	22,550	11-Jan-11	28,559	11-Feb-11	26,169	11-Mar-11	30,598	11-Apr-11	34,105	11-May-11	21,588	11-Jun-11	18122	11-Jul-11	20135	11-Aug-11	26354	11-Sep-11	15457	11-Oct-11	28040	11-Nov-11	22846	11-Dec-11	
12-Dec-10	14,274	12-Jan-11	27,906	12-Feb-11	20,352	12-Mar-11	26,676	12-Apr-11	35,711	12-May-11	16,318	12-Jun-11	16340	12-Jul-11	30031	12-Aug-11	26650	12-Sep-11	31410	12-Oct-11	31315	12-Nov-11	4409	12-Dec-11	ا ا
13-Dec-10	29,293	13-Jan-11	22,055	13-Feb-11	14,097	13-Mar-11	25,128	13-Apr-11	30,036	13-May-11	13,511	13-Jun-11	35834	13-Jul-11	19795	13-Aug-11	24189	13-Sep-11	34281	13-Oct-11	25436	13-Nov-11	4262	13-Dec-11	
14-Dec-10	26,425	14-Jan-11	13,027	14-Feb-11	15,624	14-Mar-11	22,697	14-Apr-11	24,999	14-May-11	17,929	14-Jun-11	26617	14-Jul-11	17036	14-Aug-11	19173	14-Sep-11	26353	14-Ocl-11	27305	14-Nov-11	8820	14-Dec-11	
15-Dec-10	25,284	15-Jan-11	16,803	15-Feb-11	16,859	15-Mar-11	27,862	15-Apr-11	24,276	15-May-11	5,678	15-Jun-11	22571	15-Jul-11	14912	15-Aug-11	17755	15-Sep-11	26011	15-Oci-11	29486	15-Nov-11	25347	15-Dec-11	,
16-Dec-10	19,391	16-Jan-11	15,121	16-Feb-11	21,311	16-Mar-11	28,907	16-Apr-11	23,233	16-May-11	20,153	16-Jun-11	23461	16-Jul-11	11829	16-Aug-11	40226	16-Sep-11	24187	16-Oct-11	26491	16-Nov-11	26375	16-Dec-11	
17-Dec-10	17,874	17-Jan-11	16,266	17-Feb-11	26,863	17-Mar-11	32,451	17-Apr-11	25,305	17-May-11	21,976	17-Jun-11	20849	17-Jul-11	9280	17-Aug-11	25533	17-Sep-11	20499	17-Oct-11	21706	17-Nov-11	29435	17-Dec-11	
18-Dec-10	17,253	18-Jan-11	24,571	18-Feb-11	18,889	18-Mar-11	24,329	18-Apr-11	24,426	18-May-11	21,174	18-Jun-11	14785	18-Jul-11		18-Aug-11	24661	18-Sep-11	22930	18-Oct-11	29386	18-Nov-11	14104	18-Dec-11	4
19-Dec-10	18,071	19-Jan-11	24,531	19-Feb-11	24,843	19-Mar-11	17,921	19-Apr-11	23,533	19-May-11	18,401	19-Jun-11	12970	19-Jul-11	18135	19-Aug-11	17139	19-Sep-11	36380	19-Oci-11	30265	19-Nov-11	10069	19-Dec-11	
20-Dec-10	19,444	20-Jan-11	20,029	20-Feb-11	20,847	20-Mar-11	13,631	20-Apr-11	28,673	20-May-11	22,111	20-Jun-11	14877	20-Jul-11	27345	20-Aug-11	12820	20-Sep-11	35610	20-Oct-11	29830	20-Nov-11	13417	20-Dec-11	
21-Dec-10	20,770	21-Jan-11	20,807	21-Feb-11	20,380	21-Mar-11	16,073	21-Apr-11	9,329	21-May-11	17,238	21-Jun-11	14359	21-Jul-11	19528	21-Aug-11	11795	21-Sep-11	38309	21-Oct-11	41428	21-Nov-11	15157	21-Dec-11	
22-Dec-10	15,927	22-Jan-11	12,037	22-Feb-11	26,328	22-Mar-11	26,574	22-Apr-11	16,657	22-May-11	16,154	22-Jun-11	30253	22-Jul-11	20456	22-Aug-11	21929	22-Sep-11	30191	22-Oct-11	39562	22-Nov-11	9079	22-Dec-11	4
23-Dec-10	14,758	23-Jan-11	12,443	23-Feb-11	27,080	23-Mar-11	30,080	23-Apr-11	18,627	23-May-11	23,999	23-Jun-11	33723	23-Jul-11	16753	23-Aug-11	31519	23-Sep-11	20411	23-Oct-11	18279	23-Nov-11	24500	23-Dec-11	
24-Dec-10	11,785	24-Jan-11	22,042	24-Feb-11	16,658	24-Mar-11	22,943	24-Apr-11	19,784	24-May-11	27,127	24-Jun-11	26228	24-Jul-11	15101	24-Aug-11	30280	24-Sep-11	30291	24-Oct-11	21011	24-Nov-11	18269	24-Dec-11	
25-Dec-10	12,237	25-Jan-11	25,411	25-Feb-11	20,793	25-Mar-11	22,362	25-Apr-11	24,408	25-May-11	29,808	25-Jun-11	28212	25-Jul-11	21917	25-Aug-11	30042	25-Sep-11	25428	25-Oct-11	23629	25-Nov-11	16532	25-Dec-11	
26-Dec-10	12,899	26-Jan-11	35,953	26-Feb-11	25,069	26-Маг-11	17,484	26-Apr-11	32,346	26-May-11	31,340	26-Jun-11	26185	26-Jul-11	22930	26-Aug-11	18255	26-Sep-11	41681	26-Oct-11	28541	26-Nov-11	12307	26-Dec-11	1
27-Dec-10	12,349	27-Jan-11	23,272	27-Feb-11	18,719	27-Mar-11	14,091	27-Apr-11	27,378	27-May-11	22,780	27-Jun-11	33483	27-Jul-11		27-Aug-11	19648	27-Sep-11	34966	27-Oct-11	24301	27-Nov-11	16606	27-Dec-11	
28-Dec-10	11,267	28-Jan-11	17,378	28-Feb-11	29,301	28-Mar-11	30,961	28-Apr-11	23,055	28-May-11	23,101	28-Jun-11	19806	28-Jul-11		28-Aug-11	20724	28-Sep-11	33104	28-Oct-11	22901	28-Nov-11	19584	28-Dec-11	
29-Dec-10	16,614	29-Jan-11	20,400			29-Mar-11	34,668	29-Apr-11	24,917	29-May-11	18,951	29-Jun-11	15548	29-Jul-11		29-Aug-11	25718	29-Sep-11	32540	29-Oct-11	14440	29-Nov-11	21241	29-Dec-11	
30-Dec-10	20,291	30-Jan-11	22,041			30-Mar-11	35,307	30-Apr-11	24,137	30-May-11	22,807	30-Jun-11	21877	30-Jul-11		30-Aug-11	32142	30-Sep-11	17,799	30-Oct-11	22737	30-Nov-11	29016	30-Dec-11	
31-Dec-10	17,953	31-Jan-11	24,746			31-Mar-11	29,953			31-May-11	24,029			31-Jul-11	17240	31-Aug-11	31117			31-Oct-11	21346			31-Dec-11	
Total	606,570		647,084		646,554	1	787,779		738,577		694,289		658,540		595,310		696,895		820,235		821,985		542,031	+	97,143
Average	19,567		20,700		23,091		25,261		24,619		22,342		21,951		19,269		22,193		27,341		26,688		18,068		24,286
Maximum	33,435		35,953		36,122		35,307		36.722		39.374		35.834		30.031		40,226		41.681		41,428		29,435	+	31,252

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I. FLOWS see attached flow report. All days are included.

Feb-11 Mar-11 Jul-11 Aug-11 Oct-11 Dec-11 <u>II. pH</u> Dec-10 Jan-11 Apr-11 May-11 Jun-11 Sep-11 Nov-11 % COMPLIANCE 99.71% 99.97% 100.00% 99.97% 99.99% 99.99% 100.00% 99.96% 99.99% 99.99% 99.92% 99.83%

III. OTHER PARAMETERS - MASS																	
]	20-Sep-11	20-Sep-11	20-Sep-11	21-Sep-11	21-Sep-11	21-Sep-11	16-Nov-11	16-Nov-11	16-Nov-11	17-Nov-11	17-Nov-11	17-Nov-11		VDM		Exceed=1	Difference
										541114 51 6141	5474			MNTH AVG.	DAILY	1	(lbs)
	DAILY FLOW	DATA		DAILY FLOW	DATA	MASS LOAD		DATA		DAILY FLOW	DATA			AVG LOAD		1	
PARAMETER	IN MGD	IN PPB	IN # / DAY		IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB		IN#/DAY	IN#/DAY	IN #/DAY	1 .	
ACENAPHTHENE	0.0356	50.0	0.0148		50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0		0.0026	0.0066	0.0063	1	-0.0085
ANTHRACENE	0.0356	50.0	0.0148		50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	-	0.0026	0.0066	0.0063	1 1	-0.0085
BENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0		0.0077	0.0026	0.0180	0	0.0.2
BIS(2-ETHYLHEXYL) PHALATE	0.0356	100.0	0.0297	0.0222	50.0	0.0092	0.0259	10.0	0.0022	0.0279	10.0		0.0128	0.0109	0.0346	1 0	0.0049
BROMODICHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0		0.0191	0.0026	0.0510	0	0.0451
BROMOFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0		0.0263	0.0026	0,1066	0	0.1007
BROMOMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0		0.0191	0.0026	0,0510	0	0.0451
CARBON TETRACHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	9.0	0.0019	0.0279	2.0		0.0191	0.0030	0.0510	1 0	0.0451
CHLOROBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	199.0	0.0429	0.0279	201.0	0.0468	0.0191	0.0248	0.0510	1	0.0451
CHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0148	0.0026	0.0396	1 0	0.0337
CHLOROFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.5	0.0005	0.0279	2.3		0.0149	0.0027	0.0436	1 0	0.0377
CHLOROMETHANE	0.0356	40.3	0.0120	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0		0.0148	0.0041	0.0396) 0	0.0276
DIBROMOCHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0.1066	1 0	0.1007
DI-N-BUTYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0027	0.0066	0.0058	j 1	-0.0090
1,2-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0263	0.0066	0.1066	j	0.0918
1,3-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0191	0.0066	0.0510) 0	0.0362
1,4-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.9	0.0094	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0191	0.0066	0.0510) 0	0.0362
1,1-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0230	, 0	0.0171
1.2-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0242	0.0026	0.0771	0	0.0712
1.1-DICHLOROETHENE	0.0356	20,0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0081	0	0.0022
1.2-TRANS-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0034	0.0026	0.0089	0	0.0030
1.2-DICHLOROPROPANE	0.0356	20,0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0.1066	1 0	0.1007
1,3-DICHLOROPROPENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0,1066	. 0	0.1007
DIETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0062	0.0066	0.0152	1	0.0004
DIMETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0,0066	0.0063	1	-0.0085
4,6-DINITRO-2-METHYLPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0105	0.0132	0.0372	1	0.0075
ETHYLBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	5.4	0.0012	0.0279	4.6	0.0011	0.0191	0.0030	0.0510	. 0	0.0451
FLUORANTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0		0.0030	0.0066	0.0073	1 1	-0.0075
FLUORENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0259	5.0	0.0011	0.0279	5.0		0.0026	0.0052	0.0063	1 1	-0.0085
HEXACHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0		0.0263	0.0066	0.1066	0	0.0918
HEXACHLOROBUTADIENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0191	0.0052	0,0510	. 0	0.0362
HEXACHLOROETHANE	0.0356	50.0	0.0148	0.0222	50.0	0,0092	0.0259	5.0	0.0011	0.0279	5.0	0,0012	0.0026	0.0066	0.1066	1 1	0.0918
METHYLENE CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2,0	0.0005	0.0048	0.0026	0.0228	i o	0.0169
NAPHTHALENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.0063	1	-0.0085
NITRO BENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.3004	0.0066	0.8596	. 0	0.8448
2-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0087	0.0132	0.0310	1 1	0.0013
4-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0218	0.0132	0.0773	i o	0.0476
PHENANTHRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0		0.0026	0.0066	0.0063	1	-0.0085
PYRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0027	0.0066	0.0064		-0.0084
TETRACHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0032	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0070	0.0026	0.0220	i ò	0.0161
TOLUENE	0.0356	29.2	0.0087	0.0222	20.0	0.0037	0.0259	372.0	0.0802	0.0279	133.0	0.0310	0.0038	0.0309	0.0099	i 1	0.0012
1,2,4-TRICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0037	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0263	0.0066	0.1066	, ,	0.0918
1,1.1-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0032	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0079	ŏ	0.0020
1.1.2-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0073	i	0.0020
TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0045	0.0026	0.0093	. 0	0.0034
	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0033	0.0026	0.0093	. 0	0.0034
VINYL CHLORIDE	0.0356		0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0]		0.0130	0.0026	0,0231	, ,	0.0172

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Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	20-Sep-11		21-Sep-11		16-Nov-11		17-Nov-11	
LEAD	0.01	* mg/l	0.01	mg/l	0.01	* mg/l	0.01	mg/l
ZINC	0.487	* mg/l	0.444	MG/L	0.436	* mg/l	0.486	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L	0.01	mg/i	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.002	#/DAY	0.002	#/DAY	0.002	#/DAY
COD	3350	* mg/l	1090	MG/L	308	* mg/l	300	MG/L
PHENOLICS	0.005	mg/l	0.005	MG/L	0.005	mg/i	0.005	MG/L
PHOSPHOROUS	0.4	* mg/l	0.29	MG/L	0.92	* mg/i	0.85	MG/L
TOTAL SUSPENDED SOLIDS	9	* mg/l	40	MG/L	26.4	* mg/l	23.6	MG/L

* samples taken 3/30/10 (includes semi- volatiles above) Excedence#

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VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2010 - 12/2011

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD		Date (GPD	Da	e GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
				1																1						
1-Dec-10	33,435	1-Jan-11	16,096	1-Feb-11	14,742	1-Mar-11	29,627	1-Apr-11	20,407	1-May-11	21,817	1-J		20634	1-Jul	11 20100	1-Aug-11	15806	1-Sep-11	28954	01-Oct-11	29691	01-Nov-11	23964	01-Dec-11	31,252
2-Dec-10	26,257	2-Jan-11	18,026	2-Feb-11	29,178	2-Mar-11	22,363	2-Арг-11	19,136	2-May-11	25,408	2-J	lun-11	20413	2-Jul	11 18757	2-Aug-11	12806	2-Sep-11	28283	02-Oct-11	19556	02-Nov-11	25646	02-Dec-11	21,189
3-Dec-10	14,463	3-Jan-11	17,486	3-Feb-11	27,291	3-Mar-11	20,469	3-Apr-11	20,302	3-May-11	34,800	3-J	lun-11	19980	3-Jul	11 18951	3-Aug-11	18612	3-Sep-11	12546	03-Oct-11	29305	03-Nov-11	27295	03-Dec-11	27,360
4-Dec-10	20,359	4-Jan-11	20,584	4-Feb-11	31,054	4-Mar-11	20,916	4-Apr-11	18,457	4-May-11	39,374		un-11	16459	4-Jul		4-Aug-11	21705	4-Sep-11	20453	04-Oct-11	29304	04-Nov-11	21893	04-Dec-11	17,342
5-Dec-10	23,438	5-Jan-11	23,814	5-Feb-11	27,001	5-Mar-11	26,115	5-Apr-11	21,327	5-May-11	25,678	5-J	un-11	16537	5-Jul	11 15688	5-Aug-11	10744	5-Sep-11	23016	05-Oct-11	39692	05-Nov-11	15842	05-Dec-11	
6-Dec-10	22,399	6-Jan-11	23,266	6-Feb-11	22,942	6-Mar-11	28,223	6-Apr-11	31,774	6-May-11	25,337			21792	6-Jul		6-Aug-11	16122	6-Sep-11	28708	06-Oct-11	20955	06-Nov-11	13382	06-Dec-11	
7-Dec-10	24,258	7-Jan-11	22,267	7-Feb-11	22,942	7-Mar-11	24,047	7-Apr-11	36,722	7-May-11	23,464			24470	7-Jul		7-Aug-11	15231	7-Sep-11	28149	07-Oct-11	25547	07-Nov-11	11867	07-Dec-11	
8-Dec-10	17,443	8-Jan-11	14,176	8-Feb-11	22,942	8-Mar-11	27,828	8-Apr-11	28,576	8-May-11	18,333			24727	8-Jul		8-Aug-11	25013	8-Sep-11	28010	08-Oct-11	18450	08-Nov-11	23609	08-Dec-11	
9-Dec-10	25,811	9-Jan-11	15,780	9-Feb-11	36,122	9-Mar-11	25,414	9-Apr-11	22,347	9-May-11	20,299			18124	9-Jul		9-Aug-11	29813	9-Sep-11	25471	09-Oct-11	22227	09-Nov-11	21238	09-Dec-11	
10-Dec-10	22,000	10-Jan-11	30,192	10-Feb-11	22,155	10-Mar-11	32,082	10-Apr-11	24,594	10-May-11	23,604			19304	10-Ju		10-Aug-11	23372	10-Sep-11	18808	10-Oct-11		10-Nov-11	15921	10-Dec-11	
11-Dec-10	22,550	11-Jan-11	28,559	11-Feb-11	26,169	11-Mar-11	30,598	11-Apr-11	34,105	11-May-11	21,588			18122	11-Ju		11-Aug-11	26354	11-Sep-11	15457	11-Oct-11		11-Nov-11	22846	11-Dec-11	
12-Dec-10	14,274	12-Jan-11	27,906	12-Feb-11	20,352	12-Mar-11	26,676	12-Apr-11	35,711	12-May-11	16,318			16340	12-Ju		12-Aug-11	26650	12-Sep-11	31410	12-Oct-11		12-Nov-11	4409	12-Dec-11	
	29,293	13-Jan-11	22,055	13-Feb-11	14,097	13-Mar-11	25,128	13-Apr-11	30,036	13-May-11	13,511			35834	13-Ju		13-Aug-11	24189	13-Sep-11	34281	13-Oct-11	25436	13-Nov-11	4262	13-Dec-11	
	26,425	14-Jan-11	13,027	14-Feb-11	15,624	14-Mar-11	22,697	14-Apr-11	24,999	14-May-11	17,929			26617	14-Ju		14-Aug-11	19173	14-Sep-11	26353	14-Oct-11	27305	14-Nov-11	8820	14-Dec-11	
	25,284	15-Jan-11	16,803	15-Feb-11	16,859	15-Mar-11	27,862	15-Apr-11	24,276	15-May-11	5,678			22571	15-Ju		15-Aug-11	17755	15-Sep-11	26011	15-Oct-11		15-Nov-11	25347	15-Dec-11	
16-Dec-10	19,391	16-Jan-11	15,121	16-Feb-11	21,311	16-Mar-11	28,907	16-Apr-11	23,233	16-May-11	20,153			23461	16-Ju		16-Aug-11	40226	16-Sep-11	24187	16-Oct-11		16-Nov-11	26375	16-Dec-11	
17-Dec-10	17,874	17-Jan-11	16,266	17-Feb-11	26,863	17-Mar-11	32,451	17-Apr-11	25,305	17-May-11	21,976			20849	17-Ju		17-Aug-11	25533	17-Sep-11	20499	17-Oct-11		17-Nov-11	29435	17-Dec-11	
18-Dec-10	17,253	18-Jan-11	24,571	18-Feb-11	18,889	18-Mar-11	24,329	18-Apr-11	24,426	18-May-11	21,174			14785	18-Ju		18-Aug-11	24661	18-Sep-11	22930	18-Oct-11		18-Nov-11	14104	18-Dec-11	
19-Dec-10	18,071	19-Jan-11	24,531	19-Feb-11	24,843	19-Mar-11	17,921	19-Apr-11	23,533	19-May-11	18,401			12970	19-Ju		19-Aug-11	17139	19-Sep-11	36380	19-Oct-11	30265	19-Nov-11	10069	19-Dec-11	
20-Dec-10	19,444	20-Jan-11	20,029	20-Feb-11	20,847	20-Mar-11	13,631	20-Apr-11	28,673	20-May-11	22,111			14877	20-Ju		20-Aug-11	12820	20-Sep-11	35610	20-Oct-11	29830	20-Nov-11	13417	20-Dec-11	
21-Dec-10	20,770	21-Jan-11	20,807	21-Feb-11	20,380	21-Mar-11	16,073	21-Apr-11	9,329	21-May-11	17,238			14359	21-Ju		21-Aug-11	11795	21-Sep-11	38309	21-Oct-11		21-Nov-11	15157	21-Dec-11	
22-Dec-10	15,927	22-Jan-11	12,037	22-Feb-11	26,328	22-Mar-11	26,574	22-Apr-11	16,657	22-May-11	16,154			30253	22-Ju		22-Aug-11	21929	22-Sep-11	30191	22-Oct-11		22-Nov-11	9079	22-Dec-11	
23-Dec-10	14,758	23-Jan-11	12,443	23-Feb-11	27,080	23-Mar-11	30,080	23-Apr-11	18,627	23-May-11	23,999			33723	23-Ju		23-Aug-11	31519	23-Sep-11	20411	23-Oct-11	18279	23-Nov-11	24500	23-Dec-11	
24-Dec-10	11,785	24-Jan-11	22,042	24-Feb-11	16,658	24-Mar-11	22,943	24-Apr-11	19,784	24-May-11	27,127			26228	24-Ju		24-Aug-11	30280	24-Sep-11	30291	24-Oct-11	21011	24-Nov-11	18269	24-Dec-11	
25-Dec-10	12,237	25-Jan-11	25,411	25-Feb-11	20,793	25-Mar-11	22,362	25-Apr-11	24,408	25-May-11	29,808			28212	25-Ju		25-Aug-11	30042	25-Sep-11	25428	25-Oct-11	23629	25-Nov-11	16532	25-Dec-11	
26-Dec-10	12,899	26-Jan-11	35,953	26-Feb-11	25,069	26-Mar-11	17,484	26-Apr-11	32,346	26-May-11	31,340			26185	26-Ju		26-Aug-11	18255	26-Sep-11	41681	26-Oct-11	28541	26-Nov-11	12307	26-Dec-11	
27-Dec-10	12,349	27-Jan-11	23,272	27-Feb-11	18,719	27-Mar-11	14,091	27-Apr-11	27,378	27-May-11	22,780			33483	27-Ju		27-Aug-11	19648	27-Sep-11	34966	27-Oct-11		27-Nov-11	16606	27-Dec-11	
28-Dec-10	11,267	28-Jan-11	17,378	28-Feb-11	29,301	28-Mar-11	30,961	28-Apr-11	23,055	28-May-11	23,101			19806	28-Ju		28-Aug-11	20724	28-Sep-11	33104	28-Oct-11	22901	28-Nov-11	19584	28-Dec-11	
29-Dec-10	16,614	29-Jan-11	20,400		 	29-Mar-11	34,668	29-Apr-11	24,917	29-May-11	18,951			15548	29-Ju		29-Aug-11	25718	29-Sep-11	32540	29-Oct-11	14440	29-Nov-11	21241	29-Dec-11	
	20,291	30-Jan-11	22,041		1	30-Mar-11	35,307	30-Apr-11	24,137	30-May-11	22,807	30-J	Jun-11	21877	30-Ju		30-Aug-11	32142	30-Sep-11	17,799	30-Oct-11	22737	30-Nov-11	29016	30-Dec-11	
31-Dec-10	17,953	31-Jan-11	24,746	_		31-Mar-11	29,953			31-May-11	24,029				31-Ju	-11 17240	31-Aug-11	31117		1	31-Oct-11	21346			31-Dec-11	
Total	606.570	1	647,084	+	646.554	+	787.779		738,577		694,289		65	8,540		595,310		696,895		820,235	_	821,985		542,031		97,143
	19,567		20,700		23,091	<u> </u>	25,261		24.619	+	22,342			1.951		19.269		22,193	-	27,341	_	26,688		18,068		24,286
Avoiage	10,007		20,700		20,031	 	20,201		27,010	 	22,042			1,001		10,200		22,193		21,041		20,000		10,000	+	۷4,200
Maximum	33,435		35,953	1	36,122		35,307		36,722		39,374		3.5	5,834		30,031		40,226		41,681		41,428	1	29,435	+	31,252

VanDeMark - Semi Annual WWTP Results

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see attached flow report. All days are included.

	_					
<u>II. pH</u>	Dec-03	Jan-03	Feb-03	Mar-03		May-03
% COMPLIANCE	99.39%	99.97%	99.33%	99.8%	99.5%	

III. OTHER PARAMETERS - MASS LIMITS

	21-Jan-03	21-Jan-03	21-Jan-03	22-Jan-03	22-Jan-03	22-Jan-03	CITY AVG.	VDM	VDM	CITY MAX
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	Max. Load	MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN#/DAY	IN MGD	IN PPB	IN#/DAY	IN #/DAY	IN#/DAY	IN#/DAY	IN #/DAY
ACENAPHTHENE	0.051	4.3	0.0018	0.084	4.3	0.0030	0.015	0.0024	0.0030	0.037
ANTHRACENE	0.051	3.3	0.0014	0.084	3.3	0.0023	0.015	0.0018	0.0023	0.037
BENZENE	0.051	4.4	0.0019	0.084	4.4	0.0031	0.045	0.0025	0.0031	0.106
BIS(2-ETHYLHEXYL) PHALATE	0.051	2.4	0.0010	0.084	2.4	0.0017	0.075	0.0013	0.0017	0.204
CARBON TETRACHLORIDE	0.051	3.2	0.0014	0.084	6.4	0.0045	0.113	0.0029	0.0045	0.301
CHLOROBENZENE	0.051	6.0	0.0025	0.084	6.0	0.0042	0.113	0.0034	0.0042	0.301
CHLOROETHANE	0.051	10.0	0.0042	0.084	10.0	0.0070	0.087	0.0056	0.0070	0.234
CHLOROFORM	0.051	2.6	0.0011	0.084	4.5	0.0031	0.088	0.0021	0.0031	0.257
CHLOROMETHANE	0.051	10.0	0.0042	0.084	10.0	0.0070	0.087	0.0056	0.0070	0.234
DI-N-BUTYL PHTHALATE	0.051	3.8	0.0016	0.084	3.8	0.0027	0.016	0.0021	0.0027	0.034
1,2-DICHLOROBENZENE	0.051	4.0	0.0017	0.084	3.9	0.0027	0.155	0.0022	0.0027	0.629
1,3-DICHLOROBENZENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.113	0.0020	0.0025	0.301
1,4-DICHLOROBENZENE	0.051	4.4	0.0019	0.084	4.4	0.0031	0.113	0.0025	0.0031	0.301
1,1-DICHLOROETHANE	0.051	4.7	0.0020	0.084	4.7	0.0033	0.017	0.0026	0.0033	0.047
1,2-DICHLOROETHANE	0.051	5.0	0.0021	0.084	5.0	0.0035	0.143	0.0028	0.0035	0.455
1,1-DICHLOROETHENE	0.051	3.5	0.0015	0.084	7.1	0.0050	0.017	0.0032	0.0050	0.048
1,2-TRANS-DICHLOROETHENE	0.051	3.0	0.0013	0.084	6.0	0.0042	0.02	0.0027	0.0042	0.052
1,2-DICHLOROPROPANE	0.051	6.0	0.0025	0.084	6.0	0.0042	0.155	0.0034	0.0042	0.629
1,3-DICHLOROPROPENE	0.051	5.0	0.0021	0.084	5.5	0.0038	0.155	0.0030	0.0038	0.629
DIETHYL PHTHALATE	0.051	4.8	0.0020	0.084	4.8	0.0034	0.036	0.0027	0.0034	0.09
DIMETHYL PHTHALATE	0.051	6.2	0.0026	0.084	6.1	0.0043	0.015	0.0034	0.0043	0.037
4,6-DINITRO-2-METHYLPHENOL	0.051	24.0	0.0101	0.084	24.0	0.0168	0.062	0.0135	0.0168	0.219
ETHYLBENZENE	0.051	7.2	0.0030	0.084	8.1	0.0057	0.113	0.0043	0.0057	0.301
FLUORANTHENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.017	0.0020	0.0025	0.043

FLUORENE	0.051	4.4	0.0019	0.084	4.4	0.0031	0.015	0.0025	0.0031	0.037
HEXACHLOROBENZENE	0.051	3.0	0.0013	0.084	3.0	0.0021	0.115	0.0017	0.0021	0.629
HEXACHLOROBUTADIENE	0.051	4.6	0.0019	0.084	4.6	0.0032	0.113	0.0026	0.0032	0.301
HEXACHLOROETHANE	0.051	4.8	0.0020	0.084	4.8	0.0034	0.155	0.0027	0.0034	0.629
METHYLENE CHLORIDE	0.051	7.0	0.0030	0.084	14.0	0.0098	0.029	0.0064	0.0098	0.135
NAPHTHALENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.015	0.0020	0.0025	0.037
NITRO BENZENE	0.051	2.6	0.0011	0.084	2.6	0.0018	1.772	0.0015	0.0018	5.072
2-NITROPHENOL	0.051	3.6	0.0015	0.084	3.6	0.0025	0.051	0.0020	0.0025	0.183
4-NITROPHENOL	0.051	5.3	0.0022	0.084	5.3	0.0037	0.128	0.0030	0.0037	0.456
PHENANTHRENE	0.051	5.4	0.0023	0.084	5.4	0.0038	0.015	0.0030	0.0038	0.037
PYRENE	0.051	3.7	0.0016	0.084	3.7	0.0026	0.016	0.0021	0.0026	0.038
TETRACHLOROETHENE	0.051	4.1	0.0017	0.084	5.0	0.0035	0.041	0.0026	0.0035	0.13
TOLUENE	0.051	6.0	0.0025	0.084	6.0	0.0042	0.022	0.0034	0.0042	0.059
1,2,4-TRICHLOROBENZENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.155	0.0020	0.0025	0.629
1,1,1-TRICHLOROETHANE	0.051	3.8	0.0016	0.084	5.2	0.0036	0.017	0.0026	0.0036	0.047
1,1,2-TRICHLOROETHANE	0.051	5.0	0.0021	0.084	5.0	0.0035	0.025	0.0028	0.0035	0.101
TRICHLOROETHENE	0.051	2.4	0.0010	0.084	4.8	0.0034	0.021	0.0022	0.0034	0.055
VINYL CHLORIDE	0.051	10.0	0.0042	0.084	10.0	0.0070	0.077	0.0056	0.0070	0.136

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VanDeMark - Semi Annual WWTP Results

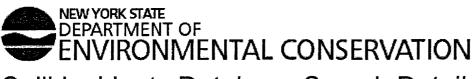
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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	21-Jan-03	22-Jan-03		
LEAD	0.01 mg/l	0.01 r	mg/l	UG/L
ZINC	0.055 MG/L	0.027	MG/L	MG/L
TOTAL CYANIDE	0.01 MG/L	0.01	MG/L	MG/L
TOTAL CYANIDE	0.004 # / DAY (0.124	0.007 #	# / DAY (0.124)	# / DAY (0.124)
COD	1990 MG/L	778	VIG/L	MG/L
PHENOLICS	0.01 MG/L	0.01	VIG/L	MG/L
PHOSPHOROUS	0.023 MG/L	0.01	MG/L	MG/L
TOTAL SUSPENDED SOLIDS	37 MG/L	40 M	VIG/L	MG/L

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
1-Dec-02	38066	1-Jan-03	51989	1-Feb-03	52733	1-Mar-03	60657	1-Apr-03	43186	1-May-03	27123
2-Dec-02	46665	2-Jan-03	46323	2-Feb-03	57437	2-Mar-03	61287	2-Apr-03	42804	2-May-03	21369
3-Dec-02	47767	3-Jan-03	62484	3-Feb-03	59609	3-Mar-03	60953	3-Apr-03	44360	3-May-03	22428
4-Dec-02	53515	4-Jan-03	59774	4-Feb-03	66116	4-Mar-03	64249	4-Apr-03	44669	4-May-03	18810
5-Dec-02	56375	5-Jan-03	58579	5-Feb-03	73473	5-Mar-03	66064	5-Apr-03	47425	5-May-03	21106
6-Dec-02	51595	6-Jan-03	54151	6-Feb-03	56180	6-Mar-03	75569	6-Apr-03	40936	6-May-03	30413
7-Dec-02	61646	7-Jan-03	54877	7-Feb-03	54334	7-Mar-03	67411	7-Apr-03	38983	7-May-03	24668
8-Dec-02	57530	8-Jan-03	63942	8-Feb-03	55930	8-Mar-03	71748	8-Apr-03	47930	8-May-03	13811
9-Dec-02	57836	9-Jan-03	66779	9-Feb-03	64478	9-Mar-03	67911	9-Apr-03	42315	9-May-03	15124
10-Dec-02	59115	10-Jan-03	67265	10-Feb-03	67141	10-Mar-03	72699	10-Apr-03	37182	10-May-03	11540
11-Dec-02	62237	11-Jan-03	64870	11-Feb-03	68767	11-Mar-03	91456	11-Apr-03	36601	11-May-03	16185
12-Dec-02	91142	12-Jan-03	66598	12-Feb-03	62396	12-Mar-03	79102	12-Apr-03	36694	12-May-03	18667
13-Dec-02	15029	13-Jan-03	71450	13-Feb-03	62650	13-Mar-03	77410	13-Арг-03	41482	13-May-03	44211
14-Dec-02	62172	14-Jan-03	55192	14-Feb-03	62655	14-Mar-03	77321	14-Apr-03	41618	14-May-03	20185
15-Dec-02	61435	15-Jan-03	48546	15-Feb-03	65086	15-Mar-03	70481	15-Apr-03	36320	15-May-03	22609
16-Dec-02	48580	16-Jan-03	52108	16-Feb-03	63586	16-Mar-03	70161	16-Apr-03	13582	16-May-03	19285
17-Dec-02	79451	17-Jan-03	48162	17-Feb-03	59023	17-Mar-03	70806	17-Apr-03	15511	17-May-03	23278
18-Dec-02	59935	18-Jan-03	45519	18-Feb-03	69528	18-Mar-03	66361	18-Apr-03	26193	18-May-03	17454
19-Dec-02	52587	19-Jan-03	44346	19-Feb-03	73063	19-Mar-03	84281	19-Apr-03	25391	19-May-03	22578
20-Dec-02	46338	20-Jan-03	52011	20-Feb-03	64561	20-Mar-03	59507	20-Apr-03	25428	20-May-03	25879
21-Dec-02	49442	21-Jan-03	50616	21-Feb-03	65050	21-Mar-03	49522	21-Apr-03	24004	21-May-03	30198
22-Dec-02	54801	22-Jan-03	83784	22-Feb-03	74613	22-Mar-03	52596	22-Apr-03	26281	22-May-03	24864
23-Dec-02	49371	23-Jan-03	65019	23-Feb-03	70313	23-Mar-03	34395	23-Apr-03	25489	23-May-03	17315
25-Dec-02	72506	24-Jan-03	60201	24-Feb-03	62147	24-Mar-03	23683	24-Apr-03	23637	24-May-03	14352
26-Dec-02	37336	25-Jan-03	60191	25-Feb-03	69094	25-Mar-03	21394	25-Apr-03	22584	25-May-03	15572
27-Dec-02	55198	26-Jan-03	59244	26-Feb-03	63640	26-Mar-03	28193	26-Apr-03	20630	26-May-03	12525
28-Dec-02	38339	27-Jan-03	61295	27-Feb-03	68035	27-Mar-03	25904	27-Apr-03	18502	27-May-03	11850
29-Dec-02	58297	28-Jan-03	72248	28-Feb-03	59657	28-Mar-03	17505	28-Apr-03	44019	28-May-03	24951
30-Dec-02	53286	29-Jan-03	101192			29-Mar-03	20417	29-Apr-03	34208	29-May-03	27148
31-Dec-02	44871	30-Jan-03	75084			30-Mar-03	19927	30-Apr-03	36,046	30-May-03	14109
		31-Jan-03	57716			31-Mar-03	28816			31-May-03	24972
Total	1,622,461		1,881,554	 	1,791,296		1,737,789		1,004,009		654,580
Average	52,337		60,795		63,975		56,966		33,467	+	20,987
	02,00.		35,750	 	55,5.5		55,550		55,157		20,001
Maximum	91,142		101,192		74,613		91,456		47,930		44,211



Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 8904093
Spill Date/Time

Spill Date: 07/25/1989 **Spill Time:** 11:00:00 AM

Call Received Date: 07/25/1989 Call Received Time: 11:45:00 AM

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT STREET City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

ICPF

5.00 lbs.

Surface Water

Cause: Equipment Failure Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 07/31/1989

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9010609 Spill Date/Time

Spill Date: 01/03/1991 **Spill Time:** 01:00:00 PM

Location

Spill Name: VANDEMARK CHEMICAL Address: NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

#2 Fuel Oil

130.00 Gal.

Cause: Human Error

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 01/18/1991

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9103212 Spill Date/Time

Spill Date: 06/20/1991 **Spill Time:** 06:30:00 AM

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

ETHYLENE GLYCOL 100.00 Gal. Soil

Cause: Human Error

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 02/11/1992

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9105330
Spill Date/Time

Spill Date: 08/16/1991 **Spill Time:** 02:00:00 AM

Call Received Date: 08/16/1991 Call Received Time: 05:58:00 PM

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT STREET City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

PHOSGENE UNKNOWN Air

Cause: Equipment Failure Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 08/19/1991

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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49.11.



Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9110312 Spill Date/Time

Location

Spill Name: VANCHEM

Address: 1 NORTH TRANSIT ROAD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

#2 Fuel Oil

20.00 Gal. Sc

Waterbody:

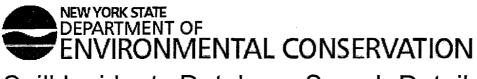
Record Close

Date Spill Closed: 02/11/1992

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9309329
Spill Date/Time

Call Received Date: 11/01/1993 Call Received Time: 03:22:00 PM

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

ETHYLENE GLYCOL 8.00 lbs. Soil

Cause: Equipment Failure Source: Commercial Vehicle

Waterbody:

Record Close

Date Spill Closed: 01/21/1994

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9310649
Spill Date/Time

Call Received Date: 12/01/1993 Call Received Time: 12:00:00 PM

Location

Spill Name: VANDEMARK CHEMICAL Address: ONE NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

Material not identified N/A

Cause: Human Error

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 12/02/1993

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9312530 Spill Date/Time

Spill Date: 01/21/1994 **Spill Time:** 02:00:00 PM

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

#2 Fuel Oil

UNKNOWN Sewer

Waterbody:

Record Close

Date Spill Closed: 01/21/1994

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9312994
Spill Date/Time

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

Material not identified N/A

Waterbody:

Record Close

Date Spill Closed: 02/08/1994

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9404885 Spill Date/Time

Location

Spill Name: VANDEMARK CHEMICAL Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

Material not identified N/A

Waterbody:

Record Close

Date Spill Closed: 09/25/1995

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9501119
Spill Date/Time

Spill Date: 04/26/1995 Spill Time: 08:00:00 PM

Location

Spill Name: VAN CHEM INC

Address: 1 NORTH TRANSIT ROAD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

HYDROGEN CHLORIDE 150.00 Gal. Soil

Waterbody:

Record Close

Date Spill Closed: 05/25/1995

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9604777
Spill Date/Time

Location

Spill Name: VAN CHEM INC

Address: 1 NORTH TRANSIT ROAD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

ETHYLENE GLYCOL 50.00 Gal. Soil

Waterbody:

Record Close

Date Spill Closed: 07/16/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9609352
Spill Date/Time

Spill Date: 10/25/1996 **Spill Time:** 03:30:00 PM

Call Received Date: 10/25/1996 Call Received Time: 04:27:00 PM

Location

Spill Name: VANDEMARK CHEMICAL CO Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

BENZENE CHLORO- 20.00 Gal. Sewer ETHYLENE GLYCOL 150.00 Gal. Sewer

Waterbody:

Record Close

Date Spill Closed: 04/30/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9702968
Spill Date/Time

Location

Spill Name: VANDEMARK CHEMICALS Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

ETHYL ACETATE 300.00 Gal. Sewer

Waterbody:

Record Close

Date Spill Closed: 01/05/2000

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9703297
Spill Date/Time

Location

Spill Name: VANDEMARK CHEMICALS Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

DIETHYLAMINE UNKNOWN Air

Waterbody:

Record Close

Date Spill Closed: 06/30/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9703303
Spill Date/Time

Spill Date: 06/16/1997 **Spill Time:** 07:00:00 PM

Location

Spill Name: VANCHEM AIR RELEASE

Address: 1 NORTH TRANSIT

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

DIETHYLAMINE 10.00 lbs. Soil

Waterbody:

Record Close

Date Spill Closed: 09/30/1998

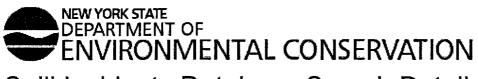
"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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grade in



Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9713762
Spill Date/Time

Location

Spill Name: VAN DEMARK CHEMICAL RAILC

Address: MILL ST & NORTH TRANSIT City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

CHLORINE UNKNOWN Air

Cause: Equipment Failure Source: Railroad Car

Waterbody:

Record Close

Date Spill Closed: 09/30/1999

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9802579
Spill Date/Time

Location

Spill Name: VANDEMARK CHEMICALS Address: 1 NORTH TRANSIT ROAD City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

PHOSPHORUS 100.00 lbs. Soil

Cause: Unknown

Source: Commercial/Industrial

Waterbody:

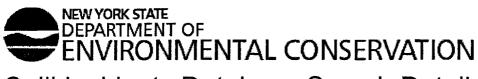
Record Close

Date Spill Closed: 08/11/1998

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9911280
Spill Date/Time

Call Received Date: 12/27/1999 Call Received Time: 12:26:00 AM

Location

Spill Name: VANDEMARK

Address: 1 NORTH TRANSIT ROAD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled

Amount Spilled Resource Affected

UNKNOWN NON-PETRO/NON-HAZ MATERIAL

10.00 lbs.

Air

Waterbody:

Record Close

Date Spill Closed: 12/27/1999

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

MTBE detected at this location, Click here for more information on MTBE.

Administrative Information

DEC Region: 9

Spill Number: 0312919
Spill Date/Time

Location

Spill Name: VANDEMARK, INC.
Address: 1 NORTH TRANSIT RD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

METHYL-TERT-BUTYL ETHER (MTBE) 25.00 lbs. Sewer

Cause: Unknown

Source: Non Major Facility > 1,100 gal

Waterbody:

Record Close

Date Spill Closed: 02/24/2004

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0607875
Spill Date/Time

Call Received Date: 10/11/2006 Call Received Time: 10:50:00 AM

Location

Spill Name: ISOCHEM INC

Address: 1 NORTH TRANSIT ROAD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

Material not identified N/A

Cause: Other

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 07/12/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0651605
Spill Date/Time

Spill Date: 11/17/2006 **Spill Time:** 12:00:00 PM

Location

Spill Name: CORNER OF

Address: STATE ST. & NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

UNKNOWN PETROLEUM UNKNOWN Soil

Cause: Unknown Source: Unknown Waterbody:

Record Close

Date Spill Closed: 07/24/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0609740
Spill Date/Time

Location

Spill Name: ISOCHEM INC

Address: 1 NORTH TRANSIT ROAD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

UNKNOWN HAZARDOUS MATERIAL UNKNOWN Soil

CHLOROBENZENE 10.00 lbs. Soil

Cause: Equipment Failure Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 02/12/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0901573
Spill Date/Time

Location

Spill Name: VANDEMARK

Address: 1 NORTH TRANSIT RD
City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

TOLUENE 197.00 lbs. Unknown

Cause: Equipment Failure Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 07/29/2009

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Envirofacts Search Results



Detailed Reports



Results are based on data extracted on SEP-10-2012

PCS-ICIS Links

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- Search
- Search User Guide
- Customized Search
- · Customized Search User Guide
- Operator Definition
- PCS Model
- ICIS Model
- Law
- Contact Us
- Office of Wastewater Management Home



Note: You are viewing results from the historic data system, Permit Compliance System (PCS). The state reporting this data to EPA no longer reports the data to PCS, but rather reports the data to a modernized system, Integrated Compliance Information System (ICIS). Use the following button to view the latest data from ICIS. Run a ICIS Search

The data for the Permit Compliance System (PCS) is frozen in Envirofacts for the following states and territories as of the below listed dates:

- · Frozen as of June 6th, 2006: MA,NH,RI,VI,PR,DC,MD,IN,NM,UT,HI,AK,ID
- Frozen as of August, 2006: AS,AT,CT,CZ,FM,GA,GB,GU,JA,MH,MP,MT,MW,NE,NI,NN,NV,NY,PA,PW,SD,SR,TT,UM
- · Frozen as of April 24th, 2008: IL
- · Frozen as of August 26th, 2008: AR,CA,CO,OK,TN,WI
- · Frozen as of June 17th, 2009: TX, LA, GM, AL
- · Frozen as of March 1st, 2012: DE

Facility

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
	1000112111,1110	<u></u>	11.025-020
FACILITY NAME (2)			
STREET 1	1 NORTH TRANSIT ROAD	SIC CODE	9999 = NONCLASSIFIABLE ESTABLISHMENTS
CITY	LOCKPORT /CITY/	MAJOR / MINOR	
COUNTY NAME	NIAGARA	TYPE OF OWNERSHIP	PRI = PRIVATE
STATE	NY	INDUSTRY CLASS	x
ZIP CODE	14094	ACTIVITY STATUS	A = Active
REGION	02	INACTIVE DATE	
LATITUDE	+4311030		
LONGITUDE	-07841502	TYPE OF PERMIT ISSUED	S = STATE
LAT/LON CODE OF ACCURACY	1 = NEAREST 10TH OF A SECOND	PERMIT ISSUED DATE	01-SEP-2004
LAT/LON METHOD	A = MAP INTERPOLATION	PERMIT EXPIRED DATE	01-FEB-2010
LAT/LON SCALE	3 = 24,000	ORIGINAL PERMIT ISSUE DATE	04-MAY-1990
LAT/LON DATUM	2 = NAD83		
LAT/LON DESCRIPTION	01099		
USGS HYDRO BASIN CODE		STREAM SEGMENT	
FLOW	.38	MILEAGE IND	
RECEIVING STREAM CLASS CODE		FEDERAL GRANT IND	
RECEIVING WATERS	EIGHTEEN MILE CK	FINAL LIMITS IND	F = FINAL
PRETREATMENT CODE			
SLUDGE INDICATOR		SLUDGE CLASS FAC IND	
SLUDGE RELATED PERMIT NUM		ANNUAL DRY SLUDGE PROD	

MAILING NAME	ISOCHEM, INC		
MAILING STREET (1)	ISOCHEM, INC	MAILING STREET (2)	1 NORTH TRANSIT ROAD
MAILING CITY	LOCKPORT	MAILING STATE	NY
MAILING ZIP CODE	14094		
SLUDGE COMMERCIAL HANDLER			
SLUDGE HANDLER STREET (1)		SLUDGE HANDLER STREET (2)	
SLUDGE HANDLER CITY		SLUDGE HANDLER STATE	
SLUDGE HANDLER ZIP CODE			
COGNIZANT OFFICIAL	MATTHEW BARMASSE	COGNIZANT OFFICIAL TEL	

Permit Documents

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No Permit Documents Found.

Permit Tracking

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PERMIT ISSUED BY	S = STATE
PERMIT ISSUED DATE	01-SEP-2004	ORIGINAL DATE OF ISSUE	04-MAY-1990
PERMIT EXPIRED DATE	01-FEB-2010		

Permit Tracking Events:

EVENT CODE	EVENT DESCRIPTION	ACTUAL DATE
P5099	PERMIT EXPIRED	01-FEB-2010
P4099	PERMIT ISSUED	01-SEP-2004

Inspections

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

INSPECTION TYPE	DATE OF INSPECTION	INSPECTION PERFORMED BY
C = COMPLIANCE EVAL (NON-SAMPLING)	03-DEC-1997	S = STATE
C = COMPLIANCE EVAL (NON-SAMPLING)	31-AUG-1992	S = STATE
C = COMPLIANCE EVAL (NON-SAMPLING)	13-DEC-1991	S = STATE
R = RECONNAISSANCE	02-AUG-1991	S = STATE

Outfalls/Pipe Schedules

	·		
FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		OUTFALL TYPE	
PIPE NUMBER	001	ACTIVITY STATUS	A = ACTIVE
REPORT DESIGNATOR	М	LATITUDE	+4311009
PIPE SET QUALIFIER	9	LONGITUDE	-07841487

INACTIVE DATE		LAT/LON ACCURACY	1 = NEAREST 10TH OF A SECOND
INIT LIMITS START DATE		LAT/LON METHOD	A = MAP INTERPOLATION
INIT LIMITS END DATE		LAT/LON SCALE	3 = 24,000
INTERIM LIMITS START DATE		LAT/LON DATUM	2 = NAD83
INTERIM LIMITS END DATE		LAT/LON DESCRIPTION	01099
FINAL LIMITS START DATE	01-FEB-2005	USGS HYDRO BASIN CODE	04130001
FINAL LIMITS END DATE	31-JAN-2010	PIPE STREAM SEGMENT	
INIT SUBM. DATE(EPA)		RECEIVING STREAM CLASS CD	
SUBMISSION UNITS (EPA)		MILEAGE INDICATOR	
UNITS IN EPA SUBM. PERIOD	0	PIPE DESCRIPTION	NON-CONTACT COOLING WATER
INIT SUBM. DATE (STATE)	28-JUL-1990		
SUBMISSION UNITS (STATE)	M = MONTHS		
UNITS IN STATE SUBM. PERIOD	1		
INIT REPORTING DATE	01-JUN-1990		
REPORTING UNITS	M = MONTHS		
UNITS IN REPORTING PERIOD	1		

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		OUTFALL TYPE	
PIPE NUMBER	001	ACTIVITY STATUS	A = ACTIVE
REPORT DESIGNATOR	Q	LATITUDE	+4311009
PIPE SET QUALIFIER	9	LONGITUDE	-07841487
INACTIVE DATE		LAT/LON ACCURACY	1 = NEAREST 10TH OF A SECOND
INIT LIMITS START DATE		LAT/LON METHOD	A = MAP INTERPOLATION
INIT LIMITS END DATE		LAT/LON SCALE	3 = 24,000
INTERIM LIMITS START DATE		LAT/LON DATUM	2 = NAD83
INTERIM LIMITS END DATE		LAT/LON DESCRIPTION	01099
FINAL LIMITS START DATE	01-FEB-2005	USGS HYDRO BASIN CODE	04130001
FINAL LIMITS END DATE	31-JAN-2010	PIPE STREAM SEGMENT	
INIT SUBM. DATE(EPA)		RECEIVING STREAM CLASS CD	
SUBMISSION UNITS (EPA)		MILEAGE INDICATOR	
UNITS IN EPA SUBM, PERIOD	0	PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR
INIT SUBM. DATE (STATE)	28-SEP-1990	_	
SUBMISSION UNITS (STATE)	M = MONTHS		
UNITS IN STATE SUBM. PERIOD	3		
INIT REPORTING DATE	01-JUN-1990	and the second s	
REPORTING UNITS	M = MONTHS		
UNITS IN REPORTING PERIOD	3		

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323	
FACILITY NAME (2)		OUTFALL TYPE		
PIPE NUMBER	001	ACTIVITY STATUS	A = ACTIVE	
REPORT DESIGNATOR	s	LATITUDE	+4311009	
PIPE SET QUALIFIER	9	LONGITUDE	-07841487	

INACTIVE DATE		LAT/LON ACCURACY	1 = NEAREST 10TH OF A SECOND
INIT LIMITS START DATE		LAT/LON METHOD	A = MAP INTERPOLATION
INIT LIMITS END DATE		LAT/LON SCALE	3 = 24,000
INTERIM LIMITS START DATE		LAT/LON DATUM	2 = NAD83
INTERIM LIMITS END DATE		LAT/LON DESCRIPTION	01099
FINAL LIMITS START DATE	01-FEB-2005	USGS HYDRO BASIN CODE	04130001
FINAL LIMITS END DATE	31-JAN-2010	PIPE STREAM SEGMENT	
INIT SUBM, DATE(EPA)		RECEIVING STREAM CLASS CD	
SUBMISSION UNITS (EPA)		MILEAGE INDICATOR	
UNITS IN EPA SUBM, PERIOD	0	PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI
INIT SUBM. DATE (STATE)	28-DEC-1990		
SUBMISSION UNITS (STATE)	M = MONTHS		
UNITS IN STATE SUBM. PERIOD	6		
INIT REPORTING DATE	01-JUN-1990		
REPORTING UNITS	M = MONTHS		
UNITS IN REPORTING PERIOD	6		

	T		1
FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323 .
FACILITY NAME (2)		OUTFALL TYPE	
PIPE NUMBER	004	ACTIVITY STATUS	A = ACTIVE
REPORT DESIGNATOR	м	LATITUDE	+4311022
PIPE SET QUALIFIER	9	LONGITUDE	-07841527
INACTIVE DATE		LAT/LON ACCURACY	1 = NEAREST 10TH OF A SECOND
INIT LIMITS START DATE		LAT/LON METHOD	A = MAP INTERPOLATION
INIT LIMITS END DATE		<u>LAT/LON SCALE</u>	3 = 24,000
INTERIM LIMITS START DATE		LAT/LON DATUM	2 = NAD83
INTERIM LIMITS END DATE		LAT/LON DESCRIPTION	01099
FINAL LIMITS START DATE	01-FEB-2005	USGS HYDRO BASIN CODE	04130001
FINAL LIMITS END DATE	31-JAN-2010	PIPE STREAM SEGMENT	
INIT SUBM. DATE(EPA)		RECEIVING STREAM CLASS CD	
SUBMISSION UNITS (EPA)		MILEAGE INDICATOR	
UNITS IN EPA SUBM, PERIOD	0	PIPE DESCRIPTION	NON-CONTACT COOLING WATER
INIT SUBM. DATE (STATE)	28-JUL-1990		
SUBMISSION UNITS (STATE)	M = MONTHS		
UNITS IN STATE SUBM. PERIOD	1		
INIT REPORTING DATE	01-JUN-1990		
REPORTING UNITS	M = MONTHS		
UNITS IN REPORTING PERIOD	1		

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		OUTFALL TYPE	
PIPE NUMBER	004	ACTIVITY STATUS	A = ACTIVE
REPORT DESIGNATOR	Q	LATITUDE	+4311022
PIPE SET QUALIFIER	9	LONGITUDE	-07841527

INACTIVE DATE		LAT/LON ACCURACY	1 = NEAREST 10TH OF A SECOND
INIT LIMITS START DATE		LAT/LON METHOD	A = MAP INTERPOLATION
INIT LIMITS END DATE		LAT/LON SCALE	3 = 24,000
INTERIM LIMITS START DATE		LAT/LON DATUM	2 = NAD83
INTERIM LIMITS END DATE		LAT/LON DESCRIPTION	01099
FINAL LIMITS START DATE	01-FEB-2005	USGS HYDRO BASIN CODE	04130001
FINAL LIMITS END DATE	31-JAN-2010	PIPE STREAM SEGMENT	
INIT SUBM. DATE(EPA)		RECEIVING STREAM CLASS CD	
SUBMISSION UNITS (EPA)		MILEAGE INDICATOR	
UNITS IN EPA SUBM. PERIOD	0	PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR
INIT SUBM. DATE (STATE)	28-SEP-1990		
SUBMISSION UNITS (STATE)	M = MONTHS		
UNITS IN STATE SUBM. PERIOD	3		
INIT REPORTING DATE	01-JUN-1990		
REPORTING UNITS	M = MONTHS		
UNITS IN REPORTING PERIOD	3		

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		OUTFALL TYPE	
PIPE NUMBER	004	ACTIVITY STATUS	A = ACTIVE
REPORT DESIGNATOR	s	LATITUDE	+4311022
PIPE SET QUALIFIER	9	LONGITUDE	-07841527
INACTIVE DATE		LAT/LON ACCURACY	1 = NEAREST 10TH OF A SECOND
INIT LIMITS START DATE		LAT/LON METHOD	A = MAP INTERPOLATION
INIT LIMITS END DATE		LAT/LON SCALE	3 = 24,000
INTERIM LIMITS START DATE		LAT/LON DATUM	2 = NAD83
INTERIM LIMITS END DATE		LAT/LON DESCRIPTION	01099
FINAL LIMITS START DATE	01-FEB-2005	USGS HYDRO BASIN CODE	04130001
FINAL LIMITS END DATE	31-JAN-2010	PIPE STREAM SEGMENT	
INIT SUBM. DATE(EPA)		RECEIVING STREAM CLASS CD	
SUBMISSION UNITS (EPA)		MILEAGE INDICATOR	
UNITS IN EPA SUBM. PERIOD	0	PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI
INIT SUBM. DATE (STATE)	28-DEC-1990		
SUBMISSION UNITS (STATE)	M = MONTHS		
UNITS IN STATE SUBM. PERIOD	6		
INIT REPORTING DATE	01-JUN-1990		
REPORTING UNITS	M = MONTHS		
UNITS IN REPORTING PERIOD	6		

Limits Report

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	001
REPORT DESIGNATOR	М	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	TEMPERATURE, WATER DEG. FAHRENHEIT	1 = EFFLUENT GROSS VALUE	0	a	01-FEB- 2005	31-JAN- 2010				YES
5 = FINAL	РН	1 = EFFLUENT GROSS VALUE	0	0	01-FEB- 2005	31-JAN- 2010				YES
5 = FINAL	FLOW RATE	1 = EFFLUENT GROSS VALUE	0	0	01-FEB- 2005	31-JAN- 2010				YES

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	004
REPORT DESIGNATOR	Q	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	SOLIDS, TOTAL SUSPENDED	7 = INTAKE FROM STREAM	0	0	01-FEB- 2005	31-JAN- 2010				YES
5 = FINAL	SOLIDS, TOTAL SUSPENDED	1 = EFFLUENT GROSS VALUE	0	0	01-FEB- 2005	31-JAN- 2010				YES

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	001
REPORT DESIGNATOR	Q	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	SOLIDS, TOTAL SUSPENDED	7 = INTAKE FROM STREAM	0	a	01-FEB- 2005	31-JAN- 2010				YES
5 = FINAL	SOLIDS, TOTAL SUSPENDED	1 = EFFLUENT GROSS VALUE	0	o	01-FEB- 2005	31-JAN- 2010				YES

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	001
REPORT DESIGNATOR	s	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	OXYGEN DEMAND. CHEM. (LOW LEVEL) (COD)	1 = EFFLUENT GROSS VALUE	0	0	<u>DATE</u> 01-FEB- 2005	31-JAN- 2010	SIMIOS	INDICATOR		YES

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	004
REPORT DESIGNATOR	М	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	TEMPERATURE, WATER DEG. FAHRENHEIT	1 = EFFLUENT GROSS VALUE	0	0	01-FEB- 2005	31-JAN- 2010				YES
5 = FINAL	PH	1 = EFFLUENT GROSS VALUE	0	0	01-FEB- 2005	31-JAN- 2010				YES
5 = FINAL	FLOW RATE	1 = EFFLUENT GROSS VALUE	0	0	01-FEB- 2005	31-JAN- 2010				YES

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	004
REPORT DESIGNATOR	s	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD	MOD. PERIOD	CHANGE OF LIMIT	CONTESTED PARAMETER	DOCKET NUMBER	LONG FORMAT
					START DATE	END DATE	STATUS	INDICATOR		
5 = FINAL	OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)	1 = EFFLUENT GROSS VALUE	a	0	01-FEB- 2005	31-JAN- 2010				YES

Measurements and Violations

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	0
REPORT DESIGNATOR	М	PARAMETER CODE	00011 = TEMPERATURE, WATER DEG. FAHRENHEIT
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING PERIOD END DATE	DISCHARGE IND	QTY MUMIXAM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE	MEASUREMEN' VIOLATION CODE
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

			1 (1 1	1 1
28-FEB-2006	C = NO DISCHARGE				E00 = MEASUREMENT ONLY, NO VIOLATION NO
					VIOL
31-JAN-2006	C = NO DISCHARGE				E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-DEC-2005		44			E00 = MEASUREMENT ONLY, NO
					VIOLATION NO VIOL
30-NOV-2005		46			E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-OCT-2005		56			E00 = MEASUREMEN' ONLY, NO VIOLATION NO
30-SEP-2005		65			ViOL E00 =
					MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE				E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-JUL-2005		58			E00 = MEASUREMEN* ONLY, NO VIOLATION NO VIOL
30-JUN-2005		50			E00 = MEASUREMEN' ONLY, NO VIOLATION NO
31-MAY-2005		40			VIOL E00 = MEASUREMEN' ONLY, NO VIOLATION NO
50 455 2005	-	38			VIOL
30-APR-2005		38			E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2005		35			E00 = MEASUREMEN' ONLY, NO VIOLATION NO
28-FEB-2005		40			VIOL E00 =
20. 20.2000					MEASUREMEN' ONLY, NO VIOLATION NO
					VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	0
REPORT DESIGNATOR	М	PARAMETER CODE	00056 = FLOW RATE
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING PERIOD END DATE	DISCHARGE IND	QTY MAXIMUM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE	MEASUREMEN' VIOLATION CODE
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMENTONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIÒLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005		780	780							•	E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005		11117	6822					·			E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-OCT-2005		49110	3761								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-SEP-2005		110	110								E00 = MEASUREMENTONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE										E00 = MEASUREMENT

						1	ONLY, NO VIOLATION NO VIOL
31-JUL-2005	14010	4695					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-JUN-2005	11335	6235					E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2005	5225	4991					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2005	16480	6562					E00 = MEASUREMEN ⁻ ONLY, NO VIOLATION NO VIOL
31-MAR-2005	11030	5937					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2005	8300	6144					E00 = MEASUREMEN' ONLY, NO VIOŁATION NO VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	o
REPORT DESIGNATOR	М	PARAMETER CODE	00400 = PH
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

	1				1	I		I			
MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREMEN'
PERIOD END	IND	MAXIMUM	AVERAGE	MAXIMUM	AVERAGE	MINIMUM	DETECTION	DETECTION	RESOLUTION	RESOLUTION	VIOLATION
DATE							CODE	DATE	CODE	DATE	CODE
30-JUN-2006	C=NO										E00 =
	DISCHARGE										MEASUREMEN'
											ONLY, NO
											VIOLATION NO
	1										VIOL
1	_										
31-MAY-2006	C = NO				-						E00 =
	DISCHARGE										MEASUREMEN"
											ONLY, NO
1											VIOLATION NO
								!			VIOL
30-APR-2006	C = NO										E00 =
	DISCHARGE]						MEASUREMENT
								į			ONLY, NO
						1					VIOLATION NO
											VIOL
31-MAR-2006	0 - 110							İ			
31-WAR-2008	C = NO				:						E00 =
	DISCHARGE										MEASUREMENT
i	1		1	1	ļ	I	[l			ONLY, NO

				VIOLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE			E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE			E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-DEC-2005		7.6	7.6	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-NOV-2005		7.4	7.4	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-OCT-2005		7.2	7.2	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-SEP-2005		7.8	7.8	E00 = MEASUREMEN' ONLY, NO VIOLATION NO . VIOL
31-AUG-2005	C = NO DISCHARGE			E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-JUL-2005		7.9	7.9	E00 = MEASUREMEN ONLY, NO VIOLATION NO VIOL
30-JUN-2005		7.5	7.5	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2005		7.8	7.8	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-APR-2005		7.9	7.9	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAR-2005		7.8	7.8	E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
28-FEB-2005		7.6	7.6	E00 = MEASUREMEN' ONLY, NO

1						VIOLATION NO
	·					VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	0
REPORT DESIGNATOR	Q	PARAMETER CODE	00530 = SOLIDS, TOTAL SUSPENDED
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING PERIOD END	DISCHARGE IND	QTY MAXIMUM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION	RNC DETECTION	RNC RESOLUTION	RNC RESOLUTION	MEASUREME VIOLATION
DATE							CODE	DATE	CODE	DATE	CODE
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREME ONLY, NO VIOLATION I VIOL
28-FEB-2006							N = RPT- NONRECEIPT OF DMR/CS RPT	28-FEB- 2006	1 = NC- UNRESOLVED RNC		E11 = MONIT ONLY, CON ABSENT COI ABS
30-NOV-2005				5.0	5.0						E00 = MEASUREME ONLY, NO VIOLATION I VIOL
31-AUG-2005				<4	<4						E00 = MEASUREME ONLY, NO VIOLATION I
31-MAY-2005				<4	<4						E00 = MEASUREME ONLY, NO VIOLATION N
28-FEB-2005				<4.0	<4.0						E00 = MEASUREME ONLY, NO VIOLATION I VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	0
REPORT DESIGNATOR	a	PARAMETER CODE	00530 = SOLIDS, TOTAL SUSPENDED
PIPE SET QUALIFIER	9	MONITORING LOCATION	7 = INTAKE FROM STREAM
MODIFICATION NUM	0		

MONITORING PERIOD END DATE	DISCHARGE IND	QTY MUMIXAM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE	MEASUR VIOLA COI
31-MAY-2006	C = NO DISCHARGE	!									EOC MEASUR ONLY

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28-FEB-2006	9 = MONITORING									EOC
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	CONDITIONAL/NOT	1] 1				1	DNLY
	REQ THIS MP									LATI
									1 410	VIC
		!	1	1	1	1	1			VIC
30-NOV-2005	9 = MONITORING	1		- 1	1					EOC
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	CONDITIONALINOT								1	ONLY
	REQ THIS MP				-				1	
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31-AUG-2005	9 = MONITORING				1	i		ļ		EOC
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	CONDITIONALINOT			- 1		1	I		_	NLY
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31-MAY-2005	9 = MONITORING									EOC
31-WA1-2003	IS						1			
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	CONDITIONAL/NOT									NLY
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28-FEB-2005	9 = MONITORING									EOC
	IS				1 1		ļ	ļ	MEA	
	CONDITIONAL/NOT				1	ŀ			0	NLY
	REQ THIS MP	1	Ì	1		ĺ	•)	VIOI	LATI
							1			VIC
L	1	L								

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	0
REPORT DESIGNATOR	s	PARAMETER CODE	00335 = OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREME
PERIOD END	IND	MAXIMUM	AVERAGE	MAXIMUM	AVERAGE	MINIMUM	DETECTION	DETECTION	RESOLUTION	RESOLUTION	VIOLATION
DATE							CODE	DATE	CODE	DATE	CODE
31-MAY-2006							N = RPT-	31-MAY-	1 = NC-		E11 = MONIT
	1					1	NONRECEIPT	2006	UNRESOLVED		ONLY, CON
							OF DMR/CS	}	RNC		ABSENT COI
							RPT				ABS
30-NOV-2005				<10	<10						E00 =
											MEASUREME
											ONLY, NO
											VIOLATION N
											VIOL
31-MAY-2005				<10	<10						E00 =
											MEASUREME
											ONLY, NO
										1	VIOLATION N
										1	VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	004	SEASON NUM	0
REPORT DESIGNATOR	М	PARAMETER CODE	00011 = TEMPERATURE, WATER DEG. FAHRENHEIT
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE

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MODIFICA TON NUM	١.	1	1
MODIFICATION NUM	0		

MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREMEN'	
DATE	IND	MAXIMUM	AVERAGE	MUMIXAM	AVERAGE	MINIMUM	DETECTION CODE	DETECTION DATE	RESOLUTION CODE	RESOLUTION DATE	VIOLATION CODE	
							CODE	DAIL	CODE	DATE		
0-JUN-2006	C = NO DISCHARGE					1					E00 = MEASUREMEN	
	DIOGRANOL										ONLY, NO	
											VIOLATION NO	
											VIOL	
1-MAY-2006	C = NO										E00 =	
	DISCHARGE										MEASUREMEN"	
	:										ONLY, NO	
											VIOLATION NO VIOL	
											E00 =	
0-APR-2006	C = NO DISCHARGE										MEASUREMEN	
	5.001,,,,,,					,					ONLY, NO	
											VIOLATION NO	
											VIOL	
1-MAR-2006	C = NO										E00 =	
	DISCHARGE										MEASUREMEN"	
											ONLY, NO VIOLATION NO	
!											VIOLATION NO	
8-FEB-2006	C = NO										E00 =	
.0 1 2.5 2.55	DISCHARGE										MEASUREMEN'	
		:									ONLY, NO	
								İ			VIOLATION NO	
						j					VIOL .	
1-JAN-2006	C = NO										E00 =	
	DISCHARGE										MEASUREMEN' ONLY, NO	
											VIOLATION NO	
						į					VIOL	
31-DEC-2005	C = NO										E00 =	
	DISCHARGE				1	1					MEASUREMEN"	
										1	ONLY, NO	
				ļ. 							VIOLATION NO	
		•									VIOL	
0-NOV-2005	C = NO										E00 =	
	DISCHARGE				j		1		ļ		MEASUREMENT ONLY, NO	
											VIOLATION NO	
											VIOL	
1-OCT-2005	C = NO										E00 =	
	DISCHARGE				į						MEASUREMEN"	
											ONLY, NO	
											VIOLATION NO	
						1					VIOL	
0-SEP-2005	C = NO										E00 =	
	DISCHARGE							1			MEASUREMENT ONLY, NO	
											VIOLATION NO	
ı											VIOLATION NO	
1-AUG-2005	C = NO										E00 =	
	DISCHARGE								1		MEASUREMEN"	
											ONLY, NO	
		,									VIOLATION NO	
											VIOL	
1-JUL-2005	C = NO										E00 =	
	DISCHARGE										MEASUREMENT	
			I	!	1	I	l	l	l	1	ONLY, NO	

	-					VIOLATION NO VIOL
30-JUN-2005	C = NO DISCHARGE					E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE					E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-APR-2005	C = NO DISCHARGE					E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAR-2005	C = NO DISCHARGE					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2005	C = NO DISCHARGE					E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	004	SEASON NUM	0
REPORT DESIGNATOR	м	PARAMETER CODE	00056 = FLOW RATE
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

					·					,	
MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREMEN'
PERIOD END	IND	MAXIMUM	AVERAGE	MUMIXAM	AVERAGE	MINIMUM	DETECTION	DETECTION	RESOLUTION	RESOLUTION	VIOLATION
DATE							CODE	DATE	CODE	DATE	CODE
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE							·			E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENTONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO

					1		VIÓLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE					I	E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005	C = NO DISCHARGE						E00 = MEASUREMEN ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE						E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-OCT-2005	C = NO DISCHARGE						E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-SEP-2005	C = NO DISCHARGE						E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE					: : :	E00 = MEASUREMEN' ONLY, NO VIOLATION NO · VIOL
31-JUL-2005	C = NO DISCHARGE						E00 = MEASUREMEN ONLY, NO VIOLATION NO VIOL
30-JUN-2005	C = NO DISCHARGE						E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE						E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2005	C = NO DISCHARGE						E00 = MEASUREMEN ONLY, NO VIOLATION NO VIOL
31-MAR-2005	C = NO DISCHARGE						E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
28-FEB-2005	C = NO DISCHARGE						E00 = MEASUREMEN ONLY, NO VIOLATION NO VIOL

			
FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323



FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	004	SEASON NUM	0
REPORT DESIGNATOR	М	PARAMETER CODE	00400 = PH
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREMEN
PERIOD END DATE	IND	MAXIMUM	AVERAGE	MAXIMUM	AVERAGE	MINIMUM	DETECTION CODE	DETECTION DATE	RESOLUTION	RESOLUTION	VIOLATION
30-JUN-2006	C = NO						CODE	DATE	CODE	DATE	CODE
30-3014-2000	DISCHARGE										E00 = MEASUREMEN
											ONLY, NO
											VIOLATION NO VIOL
31-MAY-2006	C = NO										E00 =
31 /// 2000	DISCHARGE										MEASUREMEN'
											ONLY, NO
											VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT
											ONLY, NO
											VIOLATION NO
											VIOL
31-MAR-2006	C = NO										E00 =
	DISCHARGE										MEASUREMEN' ONLY, NO
											VIOLATION NO
											. VIOL
28-FEB-2006	C = NO						·				E00 =
	DISCHARGE										MEASUREMEN' ONLY, NO
								•			VIOLATION NO
			-								VIOL
31-JAN-2006	C = NO										E00 =
	DISCHARGE										MEASUREMEN'
											ONLY, NO VIOLATION NO
											VIOL
31-DEC-2005	C = NO										E00 =
	DISCHARGE					į					MEASUREMEN*
											ONLY, NO
					!						VIOLATION NO VIOL
30-NOV-2005	C = NO										E00 =
001101-2000	DISCHARGE				!						MEASUREMEN"
											ONLY, NO
											VIOLATION NO VIOL
04 007 0007		,									
31-OCT-2005	C = NO DISCHARGE										E00 = MEASUREMENT
	5100134102	:									ONLY, NO
											VIOLATION NO
											VIOL
30-SEP-2005	C = NO										E00 =
	DISCHARGE										MEASUREMENT ONLY, NO
											VIOLATION NO
											VIOL
31-AUG-2005	C = NO										E00 =
	DISCHARGE										MEASUREMEN*
1	l	l				l		1	1	1	ONLY, NO

							VIÓLATION NO VIOL
31-JUL-2005	C = NO DISCHARGE						E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-JUN-2005	C = NO DISCHARGE						E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE						E00 = MEASUREMENTONLY, NO VIOLATION NO VIOL
30-APR-2005	C = NO DISCHARGE						E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAR-2005	C = NO DISCHARGE						E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2005	C = NO DISCHARGE		·				E00 = MEASUREMENT ONLY, NO VIOLATION NO - VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	004	SEASON NUM	0
REPORT DESIGNATOR	Q	PARAMETER CODE	00530 = SOLIDS, TOTAL SUSPENDED
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING PERIOD END DATE	DISCHARGE IND	QTY MUMIXAM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE	MEASUREMEN VIOLATION CODE
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO



			The same of the sa			VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE					E00 =
	DISCHARGE					MEASUREMEN* ONLY, NO
						VIOLATION NO
						VIOL
28-FEB-2005	C = NO		-			E00 =
ŀ	DISCHARGE					MEASUREMEN"
						ONLY, NO
						VIOLATION NO
	L		 			VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	004	SEASON NUM	0
REPORT DESIGNATOR	Q	PARAMETER CODE	00530 = SOLIDS, TOTAL SUSPENDED
PIPE SET QUALIFIER	9	MONITORING LOCATION	7 = INTAKE FROM STREAM
MODIFICATION NUM	0		

MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREMEN
PERIOD END	IND	MAXIMUM	AVERAGE	MAXIMUM	AVERAGE	MINIMUM	DETECTION	DETECTION	RESOLUTION	. —	VIOLATION
DATE							CODE	DATE	CODE	DATE	CODE
31-MAY-2006	C = NO DISCHARGÉ				-						E00 = MEASUREMEN' ONLY, NO VIOLATION NO - VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE							-			E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL
28-FEB-2005	C = NO DISCHARGE										E00 = MEASUREMEN' ONLY, NO VIOLATION NO VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	004	SEASON NUM	0
REPORT DESIGNATOR	s	PARAMETER CODE	00335 = OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE

MODIFICATION NUM

	γ	γ									·
MONITORING	DISCHARGE	QTY	QTY	CONC	CONC	CONC	RNC	RNC	RNC	RNC	MEASUREMEN'
PERIOD END	IND	MAXIMUM	AVERAGE	MAXIMUM	AVERAGE	MINIMUM	DETECTION	DETECTION	RESOLUTION	RESOLUTION	VIOLATION
DATE					į		CODE	DATE	CODE	DATE	CODE
31-MAY-2006	C = NO										E00 =
ļ	DISCHARGE										MEASUREMEN*
]										ONLY, NO
											VIOLATION NO
						:					VIOL
30-NOV-2005	C = NO]	E00 =
	DISCHARGE										MEASUREMEN*
											ONLY, NO
											VIOLATION NO
											VIOL
31-MAY-2005	C=NO					:					E00 =
1	DISCHARGE										MEASUREMEN*
											ONLY, NO
											VIOLATION NO
											VIOL

Compliance Schedules and Violations

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No Compliance Schedules Found.

Evidentiary Hearings

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No PCS Evidentiary Hearing Information Found.

Pretreatment Inspections/Audits

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			-

No PCS Pretreatment Inspections Found.

Pretreatment Performance Summary

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No PCS Pretreatment Performance Summary Information Found.

Note: You are viewing results from the historic data system, Permit Compliance System (PCS). The state reporting this data to EPA no longer reports the data to PCS, but rather reports the data to a modernized system, Integrated Compliance Information System (ICIS). Use the following button to view the latest data from ICIS. [Run a ICIS Search] The data for the Permit Compliance System (PCS) is frozen in Envirofacts for the following states and territories as of the below listed dates:

• Frozen as of June 6th, 2006: MA,NH,RI,VI,PR,DC,MD,IN,NM,UT,HI,AK,ID

• Frozen as of August, 2006: AS,AT,CT,CZ,FM,GA,GB,GU,JA,MH,MP,MT,MW,NE,NI,NN,NV,NY,PA,PW,SD,SR,TT,UM

Literallians of any continuing has det rements 10 nes tet?nndesid=NV0201222 krnnvelina

· Frozen as of April 24th, 2008: IL

10/11/2012

- Frozen as of August 26th, 2008: AR,CA,CO,OK,TN,WI
- Frozen as of June 17th, 2009: TX, LA, GM, AL
- · Frozen as of March 1st, 2012: DE





ICIS Detailed Reports

s<< Return i

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Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. Run a PCS Search

PCS-ICIS Links

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- PCS Model
 ICIS Model
- Law
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- Office of Wastewater Management
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Facility

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
STREET 1	1 NORTH TRANSIT ROAD	SIC CODE	2869 = Industrial Organic Chemicals
CITY		MAJOR / MINOR	
COUNTY NAME	Niagara	TYPE OF OWNERSHIP	Corporation
STATE	NY	ACTIVITY STATUS	Admin Continued
ZIP CODE	14094-2323	INACTIVE DATE	
REGION	Region 2	TYPE OF PERMIT ISSUED	General Permit Covered Facility
LATITUDE	+43.183944	ORIGINAL PERMIT ISSUE DATE	27-DEC-2006
LONGITUDE	-78.697694	PERMIT ISSUED DATE	27-DEC-2006
LAT/LON CODE OF ACCURACY	5	PERMIT EXPIRED DATE	31-MAR-2012
LAT/LON METHOD	Interpolation-Map		
LAT/LON SCALE	24000	USGS HYDRO BASIN CODE	
LAT/LON DATUM	NAD83	FLOW	
RECEIVING WATERS		FEDERAL GRANT IND	
PRETREATMENT CODE		SLUDGE CLASS FAC IND	NON-POTW
MAILING NAME		SLUDGE RELATED PERMIT NUM	
MAILING STREET (1)		ANNUAL DRY SLUDGE PROD	
MAILING STREET (2)			
MAILING CITY			
MAILING STATE			
MAILING ZIP CODE			
COGNIZANT OFFICIAL		COGNIZANT OFFICIAL TEL	

Activity

FACILITY NAME (1) VANDEMARK CHEMICAL INC NPDES NYR00F095

ACTIVITY NAME	ACTIVITY TYPE DESCRIPTION	ACTIVITY STATUS DESCRIPTION	ACTIVITY STATUS DATE	ACTUAL BEGIN DATE	ACTUAL END DATE
	Permit	Active	15-FEB-2012		

Contacts

No Contacts Found.

Permit Tracking

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
PERMIT ISSUED BY	NYSDEC	ORIGINAL DATE OF ISSUE	27-DEC-2006
PERMIT ISSUED DATE	27-DEC-2006	PERMIT EXPIRED DATE	31-MAR-2012
EFFECTIVE DATE	01-APR-2007	RETIREMENT DATE	

Permit Tracking Events:

i cillic fracking Events.					
EVENT DESCRIPTION	EVENT DATE				
Permit Continued	01-APR-2012				
Permit Expiration	31-MAR-2012				
Application/NOI Reviewed	15-FEB-2012				
Application/NOI Received	09-FEB-2012				
Permit Effective	01-APR-2007				
Permit Issued	27-DEC-2006				

Inspections

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
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No Inspections Found.

Outfalls/Pipe Schedules

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
OUTFALL TYPE	111111111111111111111111111111111111111	PIPE NUMBER	
ACTIVITY STATUS		REPORT DESIGNATOR	
LATITUDE		LONGITUDE	
LAT/LON ACCURACY	***************************************	LAT/LON METHOD	
LAT/LON SCALE		LAT/LON DATUM	
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE		SUBMISSION UNITS	
PIPE DESCRIPTION		UNITS IN SUBM, PERIOD	
INIT REPORTING DATE		REPORTING UNITS	
UNITS IN REPORTING PERIOD		DMR COMMENT	

Limits Report

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
PIPE NUMBER			
PIPE DESCRIPTION		REPORT DESIGNATOR	
DMR COMMENT		LIMIT SET TYPE	

No ICIS Limits Report Found.

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PORTS_NPDESID.icis_tst? Measurements and Violations Appvalue=14&npvalue=3&npvalue=4&npvalue=3&npvalue=6&nalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12 FACILITY NAME (1) VANDEMARK CHEMICAL INC NPDES NYR00F095
No ICIS Measurements Information For	und.
te que char e un est es e e empare debuie	Compliance Schedules and Violations
	FACILITY NAME (1) VANDEMARK CHEMICAL INC NPDES NYR00F095
No Compliance Schedules Found.	
	Pretreatment Inspections/Audits
	FACILITY NAME (1) VANDEMARK CHEMICAL INC NPDES NYR00F095
No ICIS Pretreatment inspections Four	nd.
ELE ET LANCOS (MAI) JOHN PROPRIATO (Pretreatment Performance Summary
	FACILITY NAME (1) VANDEMARK CHEMICAL INC NPDES NYR00F095
No ICIS Pretreatment Performance Sui	mmary Information Found.
u de nderode te en un e te de	च्या करावा कर राज्य कराव का क्षेत्र कर कराव कर कर कर का अभितास कर का अपने का का का अधिकार का का का का का का का स्थापन
-	modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the compliance System (PCS). Use the following button to view the historic data from PCS. Run a PCS Search

 $http://iaspub.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_tst?npdesid=NY... \quad 10/11/2012$



Envirofacts Search Results



ICIS Detailed Reports



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- Overview
- Search
- Search User Guide
- Customized Search
- · Customized Search User Guide
- Operator Definition
- PCS Model
- ICIS Model
- · Contact Us
- Office of Wastewater Management



Facility

		,	
FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
STREET 1	1 NORTH TRANSIT ROAD	SIC CODE	9999 = Nonclassifiable Establishments
CITY	LOCKPORT	MAJOR / MINOR	
COUNTY NAME	Niagara	TYPE OF OWNERSHIP	Privately Owned Facility
STATE	NY	ACTIVITY STATUS	Expired
ZIP CODE	14094	INACTIVE DATE	
REGION	Region 2	TYPE OF PERMIT ISSUED	NPDES Individual Permit
LATITUDE	43.184167	ORIGINAL PERMIT ISSUE DATE	04-MAY-1990
LONGITUDE	-78.697278	PERMIT ISSUED DATE	01-FEB-2000
LAT/LON CODE OF ACCURACY	3	PERMIT EXPIRED DATE	31-JAN-2005
LAT/LON METHOD	Interpolation-Map		
LAT/LON SCALE	24000	USGS HYDRO BASIN CODE	
LAT/LON DATUM	NAD83	FLOW	
RECEIVING WATERS	EIGHTEEN MILE CK	FEDERAL GRANT IND	N
PRETREATMENT CODE		SLUDGE CLASS FAC IND	NON-POTW
MAILING NAME	VANDEMARK CHEMICAL, INC.	SLUDGE RELATED PERMIT NUM	
MAILING STREET (1)	VANDEMARK CHEMICAL, INC.	ANNUAL DRY SLUDGE PROD	
MAILING STREET (2)	1 NORTH TRANSIT ROAD		
MAILING CITY	LOCKPORT		
MAILING STATE	New York		
MAILING ZIP CODE	14094		
COGNIZANT OFFICIAL	MATTHEW BARMASSE	COGNIZANT OFFICIAL TEL	
		Ann	

Activity

FACILITY NAME (1) VANDEMARK CHEMICAL, INC. NPDES NY0204323

ACTIVITY NAME	ACTIVITY TYPE DESCRIPTION	ACTIVITY STATUS DESCRIPTION	ACTIVITY STATUS DATE	ACTUAL BEGIN DATE	ACTUAL END DATE
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit		:		
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit	Active	01-APR-2010		
NPDES Permit (CWA)	Permit	Active	01-APR-2010		
NPDES Permit (CWA)	Permit	Active	01-APR-2010		
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		03-DEC-1997		03-DEC-1997
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		03-DEC-1997		03-DEC-1997
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		03-DEC-1997		03-DEC-1997
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		31-AUG-1992		31-AUG-1992
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		31-AUG-1992		31-AUG-1992
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		31-AUG-1992		31-AUG-1992
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		13-DEC-1991		13-DEC-1991
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		13-DEC-1991		13-DEČ-1991
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		13-DEC-1991		13-DEC-1991
ISOCHEM, INC (Permit NY0204323) Reconnaissance	Inspection/Evaluation		02-AUG-1991		02-AUG-1991
ISOCHEM, INC (Permit NY0204323) Reconnaissance	Inspection/Evaluation		02-AUG-1991		02-AUG-1991
ISOCHEM, INC (Permit NY0204323) Reconnaissance	Inspection/Evaluation		02-AUG-1991		02-AUG-1991

Contacts

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
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No Contacts Found.

Permit Tracking

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PERMIT ISSUED BY	NYSDEC	ORIGINAL DATE OF ISSUE	04-MAY-1990
PERMIT ISSUED DATE	05-MAR-2010	PERMIT EXPIRED DATE	31-MAR-2015
EFFECTIVE DATE	01-APR-2010	RETIREMENT DATE	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PERMIT ISSUED BY	NYSDEC	ORIGINAL DATE OF ISSUE	04-MAY-1990
PERMIT ISSUED DATE	01-SEP-2004	PERMIT EXPIRED DATE	01-FEB-2010

EFFECTIVE DATE	01-FEB-2005	RETIREMENT DATE	31-MAR-2010
FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PERMIT ISSUED BY		ORIGINAL DATE OF ISSUE	04-MAY-1990
PERMIT ISSUED DATE	01-FEB-2000	PERMIT EXPIRED DATE	31-JAN-2005
EFFECTIVE DATE	01-FEB-2000	RETIREMENT DATE	

Permit Tracking Events:

ENT DATE
FINI DAIL
-MAR-2015
-APR-2010
-MAR-2010
MAR-2010
-MAR-2010
-FEB-2010
-FEB-2010
-FEB-2005
-FEB-2005
-JAN-2005
-SEP-2004
-FEB-2000
-FEB-2000

Inspections

FACILITY NAME (1) VANDEMARK CHEMICAL, INC. NPDES NY02043:

INSPECTION TYPE	DATE OF INSPECTION	INSPECTION PERFORMED BY
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	03-DEC-1997	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	03-DEC-1997	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	03-DEC-1997	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	31-AUG-1992	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	31-AUG-1992	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	31-AUG-1992	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	13-DEC-1991	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	13-DEC-1991	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	13-DEC-1991	State
ISOCHEM, INC (Permit NY0204323) Reconnaissance	02-AUG-1991	State
ISOCHEM, INC (Permit NY0204323) Reconnaissance	02-AUG-1991	State
ISOCHEM, INC (Permit NY0204323) Reconnaissance	02-AUG-1991	State

Outfalls/Pipe Schedules

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	М

LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	2B-MAR-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-FEB-00	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	А	REPORT DESIGNATOR	Q
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-05	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-MAR-05	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIODENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfail	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	М
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-MAR-05	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM. PERIOD	
NIT REPORTING DATE	01-FEB-05	REPORTING UNITS	Manthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	Q
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83

NACTIVE DATE		USGS HYDRO BASIN CODE	
NIT DMR DUE DATE	28-JUN-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT	UNITS IN SUBM. PERIOD	
INIT REPORTING	01-MAR-00	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIODENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	s
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	UNITS IN SUBM. PERIOD	· · · · · · · · · · · · · · · · · · ·
INIT REPORTING DATE	01-DEC-09	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323 ·
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	А	REPORT DESIGNATOR	S
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3 ·	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-DEC-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-JUN-00	REPORTING UNITS	Manthly
UNITS IN REPORTING PERIOD		DMR COMMENT	ENTER 'NODI 9' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE UNQUANTIFIABLE

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	М
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-MAY-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM. PERIOD	

INIT REPORTING DATE	01-APR-10	REPORTING UNITS	Monthly	
UNITS IN REPORTING PERIO	2	DMR COMMENT		l

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	Α	REPORT DESIGNATOR	a
LATITUDE	43.183583	LONGITUDE	-78.696861
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	UNITS IN SUBM. PERIOD	
INIT REPORTING	01-MAR-10	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIODENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323	
OUTFALL TYPE	External Outfall	PIPE NUMBER	001	
ACTIVITY STATUS	A	REPORT DESIGNATOR	s	
LATITUDE	43.183583	LONGITUDE	-78.696861	
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map	
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83	
INACTIVE DATE		USGS HYDRO BASIN CODE		
INIT DMR DUE DATE	28-DEC-05	SUBMISSION UNITS	Monthly	
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	UNITS IN SUBM. PERIOD		
INIT REPORTING DATE	01-JUN-05	REPORTING UNITS	Monthly	
UNITS IN REPORTING PERI	OD	DMR COMMENT		

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FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	Α	REPORT DESIGNATOR	<u> </u>
<u>LATITUDE</u>	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT	UNITS IN SUBM. PERIOD	
INIT REPORTING	01-MAR-10	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.

			The state of the s
FACILITY NAME	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	A	REPORT DESIGNATOR	Q
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	UNITS IN SUBM. PERIOD	
INIT REPORTING	01-MAR-00	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.ENTER 'NODI B' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE LIMIT OF DETECTION/ UNQUANTIFIABLE.

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	A	REPORT DESIGNATOR	М
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	**********
INIT DMR DUE DATE	28-MAY-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-APR-10	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	***

		* **		
FACILITY NAME (1) VANDEMARK CHEMICAL, INC.		NPDES	NY0204323	
OUTFALL TYPE	External Outfall	PIPE NUMBER	004	
ACTIVITY STATUS	А	REPORT DESIGNATOR	s	
LATITUDE	43.183944	LONGITUDE	-78.697972	
LAT/LON ACCURACY	ON ACCURACY 3		Interpolation-Map	
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83	
INACTIVE DATE		USGS HYDRO BASIN CODE		
INIT DMR DUE DATE	28-DEC-05	SUBMISSION UNITS	Monthly	
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	UNITS IN SUBM. PERIOD		
INIT REPORTING DATE	01-JUN-05	REPORTING UNITS	Monthly	
UNITS IN REPORTING PERIOD		DMR COMMENT	======	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004

ACTIVITY STATUS	^	REPORT DESIGNATOR	s
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-DEC-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-JUN-00	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	ENTER 'NODI B' IN QUANTITY AVERAGECOLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE NON QUANTIFIABLE. ======

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	Α	REPORT DESIGNATOR	М
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-MAR-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM, PERIOD	
INIT REPORTING DATE	01-FEB-00	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	· · · · · · · · · · · · · · · · · · ·

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323	
OUTFALL TYPE	External Outfall	PIPE NUMBER	004	
ACTIVITY STATUS	A	REPORT DESIGNATOR	М	
LATITUDE	43.183944	LONGITUDE	-78.697972	
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map	
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83	
INACTIVE DATE		USGS HYDRO BASIN CODE		
INIT DMR DUE DATE	28-MAR-05	SUBMISSION UNITS	Monthly	
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM. PERIOD		
INIT REPORTING DATE	01-FEB-05	REPORTING UNITS	Monthly	
UNITS IN REPORTING PERIO	<u> </u>	DMR COMMENT		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	A	REPORT DESIGNATOR	s
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEM	UNITS IN SUBM. PERIOD	
NIT REPORTING DATE	01-DEC-09	REPORTING UNITS	Monthly

UNITS IN REPORTING PERIOD

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FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	А	REPORT DESIGNATOR	Q
<u>LATITUDE</u>	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-05	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-MAR-05	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.

DMR COMMENT

Limits Report

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	REPORT DESIGNATOR	Q
1 1	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIODENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Solids, total suspended	Intake from Stream	0	01-FEB- 2005	01-FEB- 2010				No
Enforceable	Solids, total suspended	Effluent Gross	o	01-FEB- 2005	01-FEB- 2010				No

FACILITY NAME	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	REPORT DESIGNATOR	Q
DMR COMMENT	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIODENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Solids, total suspended	Intake from Stream	0	01-FEB- 2000	31-JAN- 2005				No
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No

FACILITY NAME	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	REPORT DESIGNATOR	Q
DMR COMMENT	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIODENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Solids, total suspended	Effluent Gross	О	01-APR- 2010	31-MAR- 2015				No
Enforceable	Solids, total suspended	Intake from Stream	o	01-APR- 2010	31-MAR- 2015		:		No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	s
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No _

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	REPORT DESIGNATOR	М
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Flow rate	Effluent Gross	0	01-APR- 2010	31-MAR- 2015				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-APR- 2010	31-MAR- 2015				No
Enforceable	pH	Effluent Gross	0	01-APR- 2010	31-MAR- 2015	,			No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES .	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	s
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE PARAMETER DESCRIPTION DESCRIPTION	MONITORING SEASON LOCATION NUM		CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
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Enforceable	Oxygen demand,	Effluent Gross	0	01-APR-	31-MAR-		No
	chem. (low level)			2010	2015		
	(COD)						

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	s
DMR COMMENT	ENTER 'NODI 9' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE UNQUANTIFIABLE	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	REPORT DESIGNATOR	М
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Flow rate	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No
Enforceable	pH	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	001		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	REPORT DESIGNATOR	М
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG
Enforceable	Flow rate	Effluent Gross	o	01-FEB- 2000	31-JAN- 2005				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	a	01-FEB- 2000	31-JAN- 2005				No
Enforceable	pH	Effluent Gross	o	01-FEB- 2000	31-JAN- 2005				No

FACILITY NAME	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	REPORT DESIGNATOR	Q

DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING	LIMIT SET TYPE	Scheduled
	PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.	_	

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Solids, total suspended	Intake from Stream	О	01-FEB- 2005	01-FEB- 2010				No
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	REPORT DESIGNATOR	Q
DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.ENTER 'NODI B' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE LIMIT OF DETECTION/UNQUANTIFIABLE.	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No
Enforceable	Solids, total suspended	Intake from Stream	o	01-FEB- 2000	31-JAN- 2005				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	REPORT DESIGNATOR	М
DMR COMMENT		LIMIT SET TYPE	Scheduled

						·			
LIMIT TYPE	PARAMETER	MONITORING	SEASON	LIMIT	LIMIT	CHANGE OF	STAY TYPE	DOCKET	LONG
DESCRIPTION	DESCRIPTION	LOCATION	NUM	BEGIN	END	LIMIT STATUS	DESCRIPTION	NUMBER	FORMAT
-				DATE	DATE	,			
Enforceable	Flow rate	Effluent Gross	0	01-APR-	31-MAR-				No
	, , , , , , ,			2010	2015				
Enforceable	Temperature, water	Effluent Gross	0	01-APR-	31-MAR-				No
Linordeadio	deg. fahrenheit	Lindon Gross	١	2010	2015				
L	,								
Enforceable	pH	Effluent Gross	0	01-APR-	31-MAR-				No
				2010	2015				[

FACILITY NAME	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	HON-COMMON COCCING WATER WITH	REPORT DESIGNATOR	Q
DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.	LIMIT SET TYPE	Scheduled

) DAIE DATE		LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	<u>LIMIT</u> BEGIN DATE	<u>LIMIT</u> <u>END</u> DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
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Enforceable	Solids, total suspended	Effluent Gross	O	01-APR- 2010	31-MAR- 2015		No	
Enforceable	Solids, total suspended	Intake from Stream	0	01-APR- 2010	31-MAR- 2015		No	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	s
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	o	01-FEB- 2005	01-FEB- 2010				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	s
DMR COMMENT	ENTER 'NODI B' IN QUANTITY AVERAGECOLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE NON QUANTIFIABLE. =======	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	REPORT DESIGNATOR	М
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Flow rate	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No
Enforceable	рH	Effluent Gross	0	01-FEB- 2000	31-JAN- 2005				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	REPORT DESIGNATOR	M
DMR COMMENT		LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Flow rate	Effluent Gross	o	01-FEB- 2005	01-FEB- 2010				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No
Enforceable	рН	Effluent Gross	0	01-FEB- 2005	01-FEB- 2010				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	s
DMR COMMENT	******	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	<u>LIMIT</u> <u>BEGIN</u> DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-APR- 2010	31-MAR- 2015				No

Measurements and Violations

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

							·				
MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	<u>UNIT</u>	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-MAR-2010							No				
							Discharge				
28-FEB-2010							No				
							Discharge				
31-JAN-2010							No				
							Discharge				
31-DEC-2009							No				
							Discharge				
30-NOV-2009							No				
							Discharge	·			
31-OCT-2009							No				
							Discharge				
30-SEP-2009							No				
							Discharge				
31-AUG-2009	Equals	2295									
31-JUL-2009	Equals	3693									
30-JUN-2009							No				
		' I					Discharge				
31-MAY-2009	Equals	5372									
31-MAY-2009		6044									
31-IVIA1-2009	Equals	0044					ĺ				

30-APR-2009				[No				1
						Discharge				
31-MAR-2009						No				ĺ
1						Discharge				ĺ
28-FEB-2009						No				
1						Discharge			}	ŀ
31-JAN-2009						No				ŀ
1						Discharge				
31-DEC-2008	Equals	3250					and the state of t			
31-DEC-2008	Equals	1954								
30-NOV-2008						No				i
				ļ		Discharge				
31-OCT-2008						No				
						Discharge				
30-SEP-2008						No				
1						Discharge				
31-AUG-2008						No				i
						Discharge				
31-JUL-2008						No Discharge				
30-JUN-2008						No Discharge				1
24 144 2 2000										
31-MAY-2008						No Discharge				
30-APR-2008						No				
30-AFR-2008						Discharge				
31-MAR-2008						No				r
011111111111111111111111111111111111111						Discharge				-
29-FEB-2008						No				į
						Discharge				
31-JAN-2008						No				
						Discharge				r
31-DEC-2007						No				
						Discharge				
30-NOV-2007						No				
						Discharge				
31-OCT-2007	Equals	4738								
31-OCT-2007	Equals	9005								
30-SEP-2007	Equals	3290								
31-AUG-2007						No				
						Discharge				
31-JUL-2007						No				
						Discharge				İ
30-JUN-2007						No				
				·		Discharge				
31-MAY-2007						No				
-						Discharge				
30-APR-2007	Equais	11040			1					
30-APR-2007	Equals	6130								
31-MAR-2007						No				
						Discharge				
28-FEB-2007						No				
						Discharge				
31-JAN-2007					[No				
				1		Discharge		:		
-	*	•	•		•		•	•	•	

					,			
31-DEC-2006					No Discharge			
30-NOV-2006					No Discharge			
31-OCT-2006	Equals				No			
30-SEP-2006	Equals				Discharge No			
					Discharge			
31-AUG-2006	Equals				No Discharge			
31-JUL-2006	Equals				No Discharge			
30-JUN-2006					No Discharge			
31-MAY-2006					No Discharge			
30-APR-2006					No			
31-MAR-2006					Discharge No			
28-FEB-2006					Discharge No			
					Discharge			
31-JAN-2006					No Discharge			
31-DEC-2005		780						
30-NOV-2005]	6822						
30-NOV-2005		11117						
31-OCT-2005		49110						
31-OCT-2005		3761					i	
30-SEP-2005		110						
31-AUG-2005					No			
					Discharge			
31-JUL-2005		4695					:	
31-JUL-2005		14010						
30-JUN-2005		11335						
30-JUN-2005		6235						
31-MAY-2005		4991						
31-MAY-2005		5225						
30-APR-2005		16480						
30-APR-2005		6562						
31-MAR-2005		5937						
31-MAR-2005		11030						
28-FEB-2005		8300						
28-FEB-2005		6144						
L	L		 	L	<u> </u>	<u> </u>	 	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION
DATE		*******	2111	*******	SECONIII TOR	SECONI HON	1 1145	DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-JAN-2005		5595									
31-JAN-2005		3864									
31-DEC-2004		1350									
31-DEC-2004		903									
30-NOV-2004		3522									
30-NOV-2004		3521									
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004		5256									
31-JUL-2004		17130									
30-JUN-2004		10507									
30-JUN-2004		14390									
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge			•	
31-MAR-2004		5840									
29-FEB-2004							No Discharge	:			
31-JAN-2004							No Discharge				
31-DEC-2003		3173									
31-DEC-2003		7373									
30-NOV-2003		5376									
30-NOV-2003		3449									
31-OCT-2003		8330									
31-OCT-2003		5602									
30-SEP-2003							No Discharge				
31-AUG-2003			:				No Discharge				
31-JUL-2003		3550									
31-JUL-2003		4507									
30-JUN-2003							No Discharge				
31-MAY-2003							No Discharge				
30-APR-2003		6324								!	
30-APR-2003		8200									
31-MAR-2003		4564									
31-MAR-2003		9825									
28-FEB-2003		8645									
28-FEB-2003		24600									
31-JAN-2003		9470								,	

31-JAN-2003	7387					•	
31-DEC-2002	6173						
31-DEC-2002	25634						
30-NOV-2002	6						
30-NOV-2002	160						
31-OCT-2002			No				
			Discharge				
30-SEP-2002			No Discharge				
31-AUG-2002			No				
			Discharge				
31-JUL-2002	87						
31-JUL-2002	2340						
30-JUN-2002	440						
30-JUN-2002	11450						
31-MAY-2002	2969						
31-MAY-2002	55770						
30-APR-2002	4691						
30-APR-2002	28510						
31-MAR-2002			No Discharge				
28-FEB-2002			No				
20 / 25 2002			Discharge				
31-JAN-2002			No				
			Discharge			•	
31-DEC-2001			No Discharge				
30-NOV-2001			No				Ngi k
			Discharge				
31-OCT-2001			No Discharge				
30-SEP-2001			No				
30-3L7-2001			Discharge				
31-AUG-2001			No				
			Discharge				
31-JUL-2001			No Discharge				
30-JUN-2001			No				
			Discharge				
31-MAY-2001			No				
			Discharge				
30-APR-2001			No Discharge				
31-MAR-2001	4						
31-MAR-2001	120						
28-FEB-2001	6114						
28-FEB-2001	49820						
31-JAN-2001	14910						
31-JAN-2001	6482						
31-DEC-2000	5797						
31-DEC-2000	22690						
30-NOV-2000	2302						
ı	1 1 1	j l	I	l l	ı l		

30-NOV-2000	31430				-
31-OCT-2000			No		
			Discharge		
30-SEP-2000	3907				
30-SEP-2000	52240				
31-AUG-2000	7302				
31-AUG-2000	51270				
31-JUL-2000	38550				:
31-JUL-2000	7010				
30-JUN-2000	67520				
30-JUN-2000	5776				İ
31-MAY-2000	12165				
31-MAY-2000	44970				
30-APR-2000	8905				
30-APR-2000	28750				
31-MAR-2000	191260				; ;
31-MAR-2000	5803				
29-FEB-2000			No		
			Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-AUG-2012							No				
31-700-2012							Discharge			-	
										ļ	
31-JUL-2012							No			ľ	
							Discharge				
30-JUN-2012		i i					No			İ	
							Discharge				
31-MAY-2012							No				
				İ			Discharge				
30-APR-2012							No				
							Discharge				
31-MAR-2012							No				
31-WAK-2012							Discharge				
								·			
29-FEB-2012							No				
		ř					Discharge			1	
31-JAN-2012							No				
				ļ			Discharge				ļ
							1				
31-DEC-2011							No				
							Discharge			Ì	
30-NOV-2011							No				
							Discharge			1	
31-OCT-2011							No			1	
31-001-2011							Discharge				
			Ì				_				
30-SEP-2011						1	No				1
							Discharge			İ	

10 Jan 2

31-AUG-2011	-			No Discharge		
31-JUL-2011				No Discharge		
30-JUN-2011				No Discharge		
31-MAY-2011				No Discharge		
30-APR-2011				No		
31-MAR-2011				Discharge No		
28-FEB-2011	-			Discharge No		
31-JAN-2011				Discharge No		
31-DEC-2010				Discharge No		
30-NOV-2010				Discharge No		
31-OCT-2010				Discharge No		
30-SEP-2010				Discharge No		
				Discharge		
31-AUG-2010				No Discharge		
31-JUL-2010				No Discharge		
30-JUN-2010				No Discharge		
31-MAY-2010				No Discharge		
30-APR-2010				No Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	<u>LIMIT</u> VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTI DESCRIPTI
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009						:	No Discharge				
31-AUG-2009		!				:	Analysis Not Conducted/No Sample				

31-JUL-2009						Parameter/Value			-
						Not Reported			
30-JUN-2009						No Discharge			
31-MAY-2009	Equals	42							
30-APR-2009						No Discharge			
31-MAR-2009						No Discharge	:		
28-FEB-2009						No Discharge			
31-JAN-2009		:				No Discharge			
31-DEC-2008	Equals	40							
30-NOV-2008						No Discharge			
31-OCT-2008						No Discharge			
30-SEP-2008						No Discharge			
31-AUG-2008						No Discharge			
31-JUL-2008						No Discharge			
30-JUN-2008						No Discharge			
31-MAY-2008						No Discharge			
30-APR-2008						No Discharge			
31-MAR-2008						No Discharge			
29-FEB-2008						No Discharge			
31-JAN-2008						No Discharge			
						-			
31-DEC-2007						No Discharge			
30-NOV-2007						No Discharge			
31-OCT-2007	Equals	60							
30-SEP-2007	Equals	60							
31-AUG-2007						No Discharge			
31-JUL-2007						No Discharge			
30-JUN-2007						No Discharge			
31-MAY-2007						No Discharge			
30-APR-2007	Equals	50							
31-MAR-2007						No Discharge			
28-FEB-2007						No Discharge			
31-JAN-2007						No Discharge			
31-DEC-2006						No Discharge			
30-NOV-2006						No Discharge			
31-OCT-2006	Equals					No Discharge			
30-SEP-2006	Equals					No Discharge			
31-AUG-2006	Equals					No Discharge			
31-JUL-2006	Equals					No Discharge			
30-JUN-2006						No Discharge			
31-MAY-2006						No Discharge			
30-APR-2006						No Discharge			
31-MAR-2006						No Discharge			
28-FEB-2006						No Discharge			
31-JAN-2006				•		No Discharge			
31-DEC-2005		44							
30-NOV-2005		46							
31-OCT-2005		56							
10.001-2000	l	30			ŀ	1			

30-SEP-2005	65				
31-AUG-2005			No Discharge		
31-JUL-2005	58				
30-JUN-2005	50				
31-MAY-2005	40				
30-APR-2005	38				
31-MAR-2005	35				
28-FEB-2005	40		 		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-JAN-2005		40						!			
31-DEC-2004		55									
30-NOV-2004	i	55						:			
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004		60									
30-JUN-2004		60									
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge				
31-MAR-2004		45									
29-FEB-2004							No Discharge				
31-JAN-2004							No Discharge				
31-DEC-2003		45									
30-NOV-2003		45									
31-OCT-2003	:	55]				
30-SEP-2003							No Discharge				
31-AUG-2003					:		No Discharge				
31-JUL-2003		65									
30-JUN-2003							No Discharge				
31-MAY-2003					i		No Discharge				
30-APR-2003		50									
31-MAR-2003		45									

1			1	ı	1	t ,	
28-FEB-2003	40						·
31-JAN-2003	40						
31-DEC-2002	40						
30-NOV-2002	50						
31-OCT-2002			No				
			Discharge	•			
30-SEP-2002			No				
			Discharge	•			
31-AUG-2002			No Discharge	,			
31-JUL-2002	72						
30-JUN-2002	60						
31-MAY-2002	50]					
30-APR-2002	60						
31-MAR-2002	00		No				
31-WAY-2002			Discharge	,			
28-FEB-2002			No				
			Discharge	•			
31-JAN-2002			No			•	
			Discharge	•			
31-DEC-2001			No Discharge				
30-NOV-2001			No				
			Discharge	•			
31-OCT-2001			No				
			Discharge	•	,		
30-SEP-2001	·		No Discharge				
31-AUG-2001			No				
31-7403-2001			Discharge	,			
31-JUL-2001			No				
			Discharge	•			
30-JUN-2001			No Discharge				
31-MAY-2001							
31-WAY-2001		1	No Discharge				
30-APR-2001		1	No				
			Discharge	•			
31-MAR-2001	48						
28-FEB-2001	68						
31-JAN-2001	75						
31-DEC-2000	62				1		
30-NOV-2000	76						
31-OCT-2000			No				
			Discharge	•			
30-SEP-2000	89						
31-AUG-2000	84						
31-JUL-2000	73						
30-JUN-2000	57						
31-MAY-2000	61						
30-APR-2000	60						
31-MAR-2000	44						
; I	1 1	1	1	ı	I	r 1	ı

29-FEB-2000		İ					No				
							Discharge				

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION DESCRIPTION	DETECTION DESCRIPTION	DETECTION DATE	RESOLUTION DESCRIPTION
DATE		ļ						DESCRIPTION	DESCRIPTION	DAIL	DESCRIPTION
31-AUG-2012					'		No				
							Discharge				
31-JUL-2012			1				No				
							Discharge				
30-JUN-2012							No				
							Discharge				
31-MAY-2012							No				
							Discharge				
30-APR-2012							No				
							Discharge				
31-MAR-2012							No				
							Discharge				
29-FEB-2012							No			,	
							Discharge				
31-JAN-2012		1	1				No		}		
		•					Discharge				
31-DEC-2011	:		İ				No				
							Discharge				
30-NOV-2011							No				
33 1137 2311							Discharge				
31-OCT-2011							No				
31-001-2011					}		Discharge				
30-SEP-2011							No				
30-327-2011							Discharge				
31-AUG-2011							No				
31-AUG-2011		ĺ					Discharge				
04 1111 0044							No				
31-JUL-2011							Discharge				
		ļ									
30-JUN-2011							No Discharge				
31-MAY-2011							No Discharge				
]	1				1				}
30-APR-2011							No Discharge				
							_				
31-MAR-2011							No				
							Discharge				
28-FEB-2011							No				
			-				Discharge				
31-JAN-2011							No			1	
							Discharge				
31-DEC-2010							No				
							Discharge				
30-NOV-2010							No			1	
		1	1				Discharge				

31-OCT-2010		No Discharge	•
30-SEP-2010		No Discharge	
31-AUG-2010		No Discharge	
31-JUL-2010		No Discharge	
30-JUN-2010		No Discharge	
31-MAY-2010		No Discharge	
30-APR-2010		No Discharge	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

MONITORING	DMD WALLE	DIAD	DMD	1 10417	LIMIT VALUE	LINUT	DIECUADOS	MEASUREMENT	BNC	DNC	RNC
PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	VIOLATION	RNC DETECTION	RNC DETECTION	RESOLUTI
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTI
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010	'						No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009	i						Analysis Not Conducted/No Sample				
31-JUL-2009							Parameter/Value				
30-JUN-2009							No Discharge				
31-MAY-2009	Equals	6									
31-MAY-2009	Equals	6.5									
30-APR-2009	:						No Discharge				
31-MAR-2009							No Discharge				
28-FEB-2009							No Discharge				
31-JAN-2009							No Discharge				
31-DEC-2008	Equals	7.5									
31-DEC-2008	Equals	7									
30-NOV-2008							No Discharge				
31-OCT-2008							No Discharge				
30-SEP-2008							No Discharge				
31-AUG-2008							No Discharge				
31-JUL-2008							No Discharge				
30-JUN-2008							No Discharge				
31-MAY-2008							No Discharge				

1			, , ,	•		ı	•	. ,	1	
30-APR-2008						No Discharge				
31-MAR-2008						No Discharge				
29-FEB-2008						No Discharge				
31-JAN-2008	:					No Discharge				
31-DEC-2007	ĺ					No Discharge				
30-NOV-2007					,	No Discharge				
31-OCT-2007	Equals	7								
30-SEP-2007	Equals	7.7								
31-AUG-2007						No Discharge				
31-JUL-2007						No Discharge				
30-JUN-2007						No Discharge				
31-MAY-2007						No Discharge				
30-APR-2007	Equals	7.7								
31-MAR-2007						No Discharge				
28-FEB-2007						No Discharge				
31-JAN-2007						No Discharge		:		
31-DEC-2006						No Discharge				
30-NOV-2006						No Discharge				
31-OCT-2006	Equals					No Discharge				
30-SEP-2006	Equals					No Discharge				
31-AUG-2006	Equals					No Discharge				
31-JUL-2006	Equals	<u> </u>				No Discharge				
30-JUN-2006						No Discharge				
31-MAY-2006						No Discharge				
30-APR-2006		:				No Discharge				
31-MAR-2006						No Discharge				
28-FEB-2006						No Discharge				
31-JAN-2006			ŀ			No Discharge				
31-DEC-2005		7.6								
30-NOV-2005		7.4								
31-OCT-2005		7.2								
30-SEP-2005		7.8								
31-AUG-2005						No Discharge				
31-JUL-2005		7.9								
30-JUN-2005		7.5								
31-MAY-2005		7.8								
30-APR-2005		7.9								
31-MAR-2005		7.8								
28-FEB-2005	}	7.6								
						·				<u> </u>

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION DESCRIPTION	DETECTION	DETECTION	RESOLUTION
<u>DATE</u> 31-JAN-2005		7						DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
30-NOV-2004		7.2									
31-OCT-2004							No				
							Discharge				
30-SEP-2004							No				
24 4110 2004							Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004		7.3									
30-JUN-2004		7.2									
31-MAY-2004							No				
							Discharge				
30-APR-2004							No Discharge				
31-MAR-2004		7.3					_				
29-FEB-2004							No				
							Discharge				
31-JAN-2004							No Discharge				
31-DEC-2003		7.6									
30-NOV-2003		7.2									
31-OCT-2003		7.2									
30-SEP-2003							No				
							Discharge				
31-AUG-2003							No Discharge				
31-JUL-2003		7.2									
31-JUL-2003		7.6									
30-JUN-2003							No				
							Discharge				
31-MAY-2003							No Discharge		!		
30-APR-2003		7.2					Discharge				
31-MAR-2003		7.2									
28-FEB-2003		7.2									
31-JAN-2003		8.1									
31-DEC-2002		7.8									
30-NOV-2002		7.8		:			Pro-				
31-OCT-2002							No				
							Discharge				
30-SEP-2002							No Discharge				
31-AUG-2002							No				
							Discharge				
31-JUL-2002		7.6									
30-JUN-2002		8.2									
31-MAY-2002		7.8									
30-APR-2002		7.5									
31-MAR-2002							No Discharge				
1							Discharge	1	1		I

28-	FEB-2002				No			-
		1 1		1	Discharge	1		
31-	JAN-2002				No Discharge			
21	DEC-2001				No			
31-	DEC-2001				Discharge	}		
30-	NOV-2001				No			
į					Discharge		·	
31-	OCT-2001				No			
					Discharge			
30-	SEP-2001				No Discharge			
31.	AUG-2001				No			
					Discharge			
31-	JUL-2001				No			
					Discharge			
30-	JUN-2001				No Discharge			
21	MAY-2001				No			
31-	WAT-2001				Discharge			
30-	APR-2001				No			
					Discharge			
31-	MAR-2001	7.4						
28-	FEB-2001	7.9						
31-	JAN-2001	7.4						
31-	DEC-2000	7.1						
30-	NOV-2000	7.4						-
31-	OCT-2000				No			
ļ					Discharge			
30-	SEP-2000	7.4						
31-	AUG-2000	7.3						
31-	JUL-2000	7.8						
30-	JUN-2000	7.8						
31-	MAY-2000	7.2						
30-	APR-2000	7.6						
31-	MAR-2000	8.2						
29-	FEB-2000				No			
					Discharge			

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				

	No Discharge				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No				
	No	·			
	No				
	No Discharge		!		
	No				
	No				
	No Discharge				
		Discharge No Discharge	No Discharge No Discharge	Discharge No Discharge	Discharge No Discharge

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q

4. De

PARAMETER CODE Solids, total suspended MONITORING LOCATION Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION	
28-FEB-2010							No Discharge					
30-NOV-2009							No Discharge					
31-AUG-2009							Analysis Not Conducted/No Sample					
31-AUG-2009							Conditional Monitoring - Not Required This Period					
31-MAY-2009							Conditional Monitoring - Not Required This Period					
31-MAY-2009	Equals	1.2										
28-FEB-2009	Equals	3										
28-FEB-2009							Conditional Monitoring - Not Required This Period					
30-NOV-2008							No Discharge					
31-AUG-2008							No Discharge					
31-MAY-2008						,	No Discharge					
29-FEB-2008							No Discharge					
30-NOV-2007							Conditional Monitoring - Not Required This Period					
30-NOV-2007	Less Than	3.3										
31-AUG-2007							Conditional Monitoring - Not Required This Period					
31-AUG-2007	Equals	2.5										
31-MAY-2007							Conditional Monitoring - Not Required This Period					
31-MAY-2007	Less Than	4										
28-FEB-2007							No Discharge					
30-NOV-2006	Less Than	3.5										
30-NOV-2006							Conditional Monitoring - Not Required This Period					
31-AUG-2006							Conditional Monitoring - Not Required This Period					
31-AUG-2006	Less Than	4										
31-MAY-2006							No Discharge					÷
28-FEB-2006							Conditional					1
							Monitoring -					

				Not Required This Period			
30-NOV-2005		5					
30-NOV-2005				Conditional Monitoring - Not Required This Period			
31-AUG-2005				Conditional Monitoring - Not Required This Period			
31-AUG-2005	Less Than	4					
31-MAY-2005	Less Than	4			:		
31-MAY-2005				Conditional Monitoring - Not Required This Period			

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE		8						DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
30-NOV-2004							Conditional				
							Monitoring -				
			·				Not Required				
							This Period				
30-NOV-2004	Less Than	4									
31-AUG-2004							Conditional				
							Monitoring -				
							Not Required				
							This Period				
31-AUG-2004		7									
31-AUG-2004		14									
31-MAY-2004	Less Than	4									
31-MAY-2004							Conditional				
							Monitoring -				
		ľ					Not Required			ļ	
							This Period				
29-FEB-2004							Conditional				
		İ					Manitoring -			1	
							Not Required				
							This Period				
30-NOV-2003	Less Than	4									
30-NOV-2003							Conditional				
50-110 V-2005]					Monitoring -)	1]
	:						Not Required				ĺ
	:						This Period				
	_				·						
31-AUG-2003	Less Than	4									
31-AUG-2003		ĺ					Conditional				
							Monitoring -			1	
							Not Required				
							This Period				1
31-MAY-2003							Conditional		1		
							Manitoring -			1	1

					Not Required	1		
					This Period			
28-FEB-2003		1			Conditional			
					Monitoring -			
					Not Required This Period			
	1	-			This relied			
28-FEB-2003	1	14						
30-NOV-2002					No			
	[- 1			Discharge			ļ
31-AUG-2002					Conditional			
	}				Monitoring -			
		ļ			Not Required This Period			
					I IIIS FEIIOU			
31-AUG-2002	}	4						
28-FEB-2002					No			
		1			Discharge			
30-NOV-2001	1	1		1	No			
		ļ			Discharge			
31-AUG-2001]	ļ			No			
					Discharge	[
31-MAY-2001					Conditional			
		}			Monitoring -			
					Not Required This Period			
					Itilis relicu			
31-MAY-2001		480						
28-FEB-2001					Conditional			
					Monitoring -			
		[Not Required This Period			<u>.</u>
	1	i			771101 01100			-
28-FEB-2001		4						
30-NOV-2000					Conditional			
		į			Monitoring -			
1					Not Required This Period			
		.						
30-NOV-2000		4						
31-AUG-2000		3.5						
31-AUG-2000					Conditional			
					Monitoring -			
					Not Required			
		1			This Period			
31-MAY-2000		5)		
31-MAY-2000					Conditional			
					Monitoring -			
					Not Required			
			 	L	This Period	L		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

							r					
MON	ITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERI	OD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
ם	ATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
1												
31-AL	JG-2012							No				
1				Ì	i i			Discharge			ļ	ļ

31-MAY-2012		No			
		Discharge			
29-FEB-2012		No			
		Discharge			
30-NOV-2011		No			
		Discharge	'		
31-AUG-2011		No			
		Discharge			
31-MAY-2011		No Discharge			
28-FEB-2011		No			
20-1 LB-2011		Discharge			
30-NOV-2010		No		;	
		Discharge			
31-AUG-2010		No			
		Discharge			
31-MAY-2010		No			
		Discharge		_	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Intake from Stream

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTIO
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTIO
28-FEB-2010							No Discharge				
30-NOV-2009							No Discharge				
31-AUG-2009							Conditional				
							Manitoring -				
				1			Not Required				
							This Period				
31-AUG-2009							Analysis Not	,			
							Conducted/No				
							Sample				
31-MAY-2009	1						Conditional			}	
							Monitoring -				
							Not Required				
							This Period				
31-MAY-2009	Equals	1.2									
28-FEB-2009	Equals	3									
28-FEB-2009							Conditional				
	ŀ						Monitoring -				
							Not Required				
							This Period				
30-NOV-2008							No Discharge				
31-AUG-2008							No Discharge				
31-MAY-2008							No Discharge				
29-FEB-2008							No Discharge				1
30-NOV-2007							Conditional				
							Monitoring -				
							Not Required				
							This Period			1	
30-NOV-2007	Less Than	3.3									
JU-140 V-2007	LUSS IIIali	3.3		İ			1	1			1

31-AUG-2007					'	Conditional Monitoring - Not Required				· 	
						This Period		!			
31-AUG-2007	Equals	2.5	ļ								
	Less Than	4				,					
31-MAY-2007	Less man	4									
31-MAY-2007						Conditional Monitoring -					
		1				Not Required					
						This Period			!		
28-FEB-2007						No Discharge					
30-NOV-2006	Less Than	3.5									
30-NOV-2006						Conditional					
						Monitoring -					
						Not Required This Period					
				j		This Period					
31-AUG-2006	Less Than	4									
31-AUG-2006						Conditional			'		
						Monitoring - Not Required					
						This Period					
31-MAY-2006						No Discharge					
28-FEB-2006						Conditional					
						Monitoring -					
						Not Required					
						This Period					
30-NOV-2005		5	}								
30-NOV-2005						Conditional	į			•	
						Monitoring -					
			İ			Not Required This Period					(
31-AUG-2005						Conditional Monitoring -					
				1		Not Required					
						This Period					
31-AUG-2005	Less Than	4									
31-MAY-2005	Less Than	4									
31-MAY-2005						Conditional					
						Monitoring -					
						Not Required This Period					
						i illis Period	1				

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Intake from Stream

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	<u>LIMIT</u> VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION
	DESCRIPTOR	VALUE	CINI	VALUE	DESCRIPTOR	DESCRIPTION	IIVL				
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
30-NOV-2004	Less Than	4									
30-NOV-2004							Conditional				
	!						Monitoring -				
	1						Not Required				
							This Period				
31-AUG-2004							Conditional				
							Monitoring -				

1				1		Not Required				۱٠
						This Period				
ł	31-AUG-2004		14							
	31-AUG-2004		7							
1	31-MAY-2004	Less Than	4							
- 1		Less Illait	4			_				
	31-MAY-2004					Conditional Monitoring -				
						Not Required				
ı						This Period				
1	29-FEB-2004					Conditional				
1						Monitaring -				
١						Not Required				
1						This Period				
	30-NOV-2003	Less Than	4	-						
	30-NOV-2003	:				Conditional				
1						Monitoring -		1		
						Not Required This Period				
	31-AUG-2003					Conditional				
į	31-AUG-2003	·				Monitoring -				
						Not Required				
ļ						This Period				
ŀ	31-AUG-2003	Less Than	4							
	31-MAY-2003					Conditional				
						Monitoring -				
						Not Required	F			
						This Period				
	28-FEB-2003		14							
	28-FEB-2003					Conditional				`
-						Monitoring -				
ļ						Not Required This Period				
ŀ	30-NOV-2002					No				
1	00-1101-2002				:	Discharge				
ł	31-AUG-2002					Conditional				
1	017100 2002					Monitoring -				
ı						Not Required				
1						This Period				
	31-AUG-2002		4							
ı	28-FEB-2002					No				
						Discharge				
i	30-NOV-2001					No				
						Discharge				
	31-AUG-2001					No				
						Discharge				
	31-MAY-2001		480							
	31-MAY-2001					Conditional				
						Monitoring -				
						Not Required				
						This Period				
	28-FEB-2001		4							
	28-FEB-2001					Conditional				
						Monitoring -				
						Not Required This Period				
	20 NOV 2022			1		ļ				
	30-NOV-2000					Conditional Monitoring -				
						Not Required				
						This Period				
,	1		•	 •	•		•	•		•

30-NOV-2000	4					
31-AUG-2000	3.5]	
31-AUG-2000			Conditional Monitoring - Not Required			
31-MAY-2000			This Period Conditional Monitoring - Not Required			
31-MAY-2000	5		This Period			

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Intake from Stream

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
31-AUG-2012							No				
31-MAY-2012							No Discharge				
29-FEB-2012							No Discharge				
30-NOV-2011							No Discharge				
31-AUG-2011							No Discharge				
31-MAY-2011							No Discharge				
28-FEB-2011							No Discharge				
30-NOV-2010							No Discharge				
31-AUG-2010							No Discharge				
31-MAY-2010							No Discharge				

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	s
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Grass

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTI
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTI
30-NOV-2009							No Discharge				
31-MAY-2009	Equals	16									
30-NOV-2008							No Discharge				
31-MAY-2008				,			No Discharge				

30-NOV-2007	Equals	16					
31-MAY-2007	Less Than	10					
30-NOV-2006	Equals	21	:				
31-MAY-2006					Parameter/Value Not Reported		
30-NOV-2005	Less Than	10					

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	s
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
30-NOV-2004		14.7						DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
30-NOV-2004	Less Than	12									
30-NOV-2003							Conditional Monitoring - Not Required This Period				
31-MAY-2003		21									
30-NOV-2002		89									
30-NOV-2002		44			÷						
30-NOV-2001							No Discharge				£
31-MAY-2001							Conditional Monitoring - Not Required This Period				
30-NOV-2000		14									

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	s
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-MAY-2012							No				
				!	·		Discharge				
30-NOV-2011							No				
							Discharge				
31-MAY-2011							No				
							Discharge				
30-NOV-2010			ĺ			•	No				
							Discharge			1	
31-MAY-2010							No				
							Discharge				

FACILITY NAME (1) VANDEMARK CHEMICAL, INC. NPDES NY0204323

LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM		REPORT DESIGNATOR	М
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
1-MAR-2010							No				
			į				Discharge				
28-FEB-2010			ļ				No Discharge				
							Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No				
31-020-2003							Discharge				
30-NOV-2009							No				
							Discharge				
31-OCT-2009							No				
							Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009							No				
							Discharge				
31-JUL-2009			1				No				
							Discharge				
30-JUN-2009							No Discharge				
24 MAY 2000							No				
31-MAY-2009							Discharge				
30-APR-2009							No				
							Discharge				
31-MAR-2009							No				
							Discharge				
28-FEB-2009							No Discharge				
31-JAN-2009							No				
31-37/4-2009							Discharge				
31-DEC-2008							No				
							Discharge				
30-NOV-2008							No				
							Discharge				
31-OCT-2008							No Discharge				
30-SEP-2008							No				
							Discharge				
31-AUG-2008							No				
ļ							Discharge				
11-JUL-2008							No				
							Discharge				
10-JUN-2008							No Discharge				
1-MAY-2008							No				
- 1 WAT 1 * 2000	1						Discharge				
0-APR-2008							No				
							Discharge				

31-MAR-2008				No Discharge			
29-FEB-2008				No Discharge			
31-JAN-2008				No Discharge			
31-DEC-2007				No Discharge			
30-NOV-2007				No Discharge			
31-OCT-2007				No Discharge			
30-SEP-2007				No Discharge			
31-AUG-2007				No Discharge			
31-JUL-2007				No Discharge	:		
30-JUN-2007				No Discharge			
31-MAY-2007				No Discharge			
30-APR-2007				No Discharge			
31-MAR-2007				No Discharge			
28-FEB-2007				No Discharge			
31-JAN-2007				No Discharge			
31-DEC-2006				No Discharge			
30-NOV-2006				No Discharge	:		
31-OCT-2006	Equals			No Discharge			
30-SEP-2006	Equals			No Discharge			
31-AUG-2006				No Discharge			
31-JUL-2006	Equals			No Discharge			
30-JUN-2006				No Discharge			
31-MAY-2006				No Discharge			
30-APR-2006				No Discharge			
31-MAR-2006				No Discharge			
28-FEB-2006				No Discharge			
31-JAN-2006				No Discharge			
31-DEC-2005				No Discharge			

30-NOV-2005		No Discharge		•
31-OCT-2005		No Discharge		
30-SEP-2005		No Discharge		
31-AUG-2005		No Discharge		
31-JUL-2005		No Discharge		
30-JUN-2005		No Discharge		
31-MAY-2005		No Discharge		
30-APR-2005		No Discharge		
31-MAR-2005		No Discharge		
28-FEB-2005		No Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

MONITORING DMR VALUE DMR												` .
DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE DATE DESCRIPTION DATE DESCRIPTION DATE DESCRIPTION DATE	MONITORING											
31-JAN-2004 31-JAN-2005 31-DEC-2004 30-NOV-2004 30-NOV-2004 31-OCT-2004 31-OCT-2004 30-SEP-2004 31-AUG-2004 31-JUL-2004 31-JUL-2004 30-JUN-2004 31-JUL-2004 30-JUN-2004 31-MAY-2004 No Discharge 31-MAY-2004 No Discharge 31-MAY-2004 No Discharge 31-MAY-2004 No Discharge 31-MAY-2004 No Discharge 30-APR-2004 No Discharge 31-MAR-2004 No Discharge 31-MAR-2004 No Discharge 31-MAR-2004 No Discharge 31-MAR-2004 No Discharge No Discharge No Discharge 31-MAR-2004 No Discharge		DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND				
Discharge No Disc	DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-DEC-2004 No Discharge No Di	31-JAN-2005							No				
Discharge No								Discharge				
Discharge No	31 DEC 2004							No				
30-NOV-2004 31-OCT-2004 31-AUG-2004 31-AUG-2004 31-JUL-2004 30-JUN-2004 30-JUN-2004 30-JUN-2004 30-APR-2004 30-APR-2004 31-MAY-2004 30-APR-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 31-MAY-2004 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge	31-020-2004							1				
Discharge No Discharge No Discharge No Discharge D								_				
31-OCT-2004 No Discharge	30-NOV-2004											
Discharge No Disc								Discharge				
30-SEP-2004 31-AUG-2004 31-JUL-2004 No Discharge No Discharge No Discharge No Discharge 30-JUN-2004 No Discharge No Discharge No Discharge 30-APR-2004 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge	31-OCT-2004							No				
Discharge No Discharge No Discharge No Discharge D		1						Discharge				
Discharge No Discharge No Discharge No Discharge D	30-SEP-2004							No				
31-AUG-2004 31-JUL-2004 No Discharge No Discharge No Discharge 31-MAY-2004 No Discharge	30-0Li -2004	l.										
Discharge No Disc								_				
31-JUL-2004 30-JUN-2004 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge	31-AUG-2004			ŀ				i .				
Discharge No Disc								Discharge				
30-JUN-2004 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge	31-JUL-2004					ĺ		No				
Discharge No Disc								Discharge				
Discharge No Disc	30-JUN-2004			ĺ				No				
31-MAY-2004 No Discharge No Discharge 31-MAR-2004 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge								į.				
Discharge No Discharge D												
30-APR-2004 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge	31-MAY-2004							i				
Discharge No Discharge No Discharge 29-FEB-2004 No Discharge No No No						ĺ		Discharge				
31-MAR-2004 29-FEB-2004 No Discharge No Discharge No No Discharge	30-APR-2004											
29-FEB-2004 No Discharge No Discharge No Discharge								Discharge				
29-FEB-2004 No Discharge No Discharge No Discharge	31-MAR-2004							No				
31-JAN-2004 Discharge No												
31-JAN-2004 Discharge No	20 550 200 :							_				
31-JAN-2004 No	29-FEB-2004							i .				}
								Districting				
Discharge	31-JAN-2004							1				
								Discharge				

31-DEC-2003			No		
00 1/01/ 0000			Discharge		
30-NOV-2003			No Discharge		
31-OCT-2003			No		
00.050.500			Discharge		
30-SEP-2003			No Discharge		
31-AUG-2003			No		
24 11 11 222			Discharge		
31-JUL-2003			No Discharge		
30-JUN-2003			No		
31-MAY-2003			Discharge No		
31-WAT-2003			Discharge		
30-APR-2003			No		
31-MAR-2003			Discharge No		
31-MAR-2003			Discharge		
28-FEB-2003			No		
31-JAN-2003			Discharge No		
01-0747-2000			Discharge		
31-DEC-2002			No Discharge		
30-NOV-2002			No		
051131 2542			Discharge		
31-OCT-2002			No Discharge		
30-SEP-2002			No		
			Discharge		
31-AUG-2002	15200				
31-AUG-2002	1558				
31-JUL-2002	18600				
31-JUL-2002 30-JUN-2002	98200				
30-JUN-2002	24917	The state of the s			
31-MAY-2002	3.052				
31-MAY-2002	80700				
30-APR-2002	70600				
30-APR-2002	8700				
31-MAR-2002	5335				
31-MAR-2002	60200				
28-FEB-2002			Insufficient Flow for		
			Sampling		
31-JAN-2002	10697				
31-JAN-2002	73500				
31-DEC-2001	24400				
31-DEC-2001	4923				
30-NOV-2001 30-NOV-2001	7853			1	
33-140 4-2001	17555	1	1 1		•

31-OCT-2001 49700 31-OCT-2001 5016 50-SEP-2001 5040 50-SEP-2001 5040 50-SEP-2001 50900 31-AUG-2001 50700 50-AP-2001 50900 31-AUG-2001 50700 50-AP-2001 50900 31-AUG-2000 5000 50-AUG-2000 5000 509000 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 50900 509000 509000 509000 509000 509000 509000 509000 509000 509000 509000 509000 50900000000				_		_	
\$0.5EP-2001 15640 \$0.5EP-2001 59500 \$1.3U2001 59500 \$1.3U2001 37600 \$1.3U2001 37600 \$1.3U2001 37600 \$1.3U2001 51500 \$0.3U2001 7058 \$1.4W2001 71900 \$1.4W2001 71900 \$1.4W2001 71900 \$1.4W2001 19827 \$0.APR-2001 4812 \$0.APR-2001 4812 \$0.APR-2001 98600 \$28-FEB-2001 246 \$28-FEB-2001 4700 \$1.3U2000 1913 \$1.3U2000 1913 \$1.3U2000 5500 \$0.NOV-2000 \$420 \$0.NOV-2000 \$420 \$0.NOV-2000 \$4700 \$1.4U2000 19839 \$1.4U2000 19842 \$2.FEB-2000 21228	31-OCT-2001	48700					
30-SEP-2001	31-OCT-2001	10916					
31-AUG-2001	30-SEP-2001	15640					
31-AUG-2001 34700 31-JUL-2001 37800 31-JUL-2001 51500 30-JUN-2001 51500 30-JUN-2001 7098 31-MAY-2001 71900 31-MAY-2001 71900 31-MAY-2001 15881 31-AR-2001 15881 31-AR-2001 15881 31-AR-2001 9800 2&FEB-2001 246 2&FEB-2001 246 28-FEB-2001 31-JUL-2000 716 31-JUL-2000 716 31-JUL-2000 716 31-JUL-2000 15900 30-JUN-2000 15900 30-JUN-2000 11152 30-JUN-2000 11152 30-SEP-2000 11152 31-JUL-2000 11152 31-JUL-2000 11152 31-JUL-2000 11889 31-JUL-2000 11889 31-JUL-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 118900 30-JUN-2000 11942 29-FEB-2000 20800	30-SEP-2001	52900					
31-JUL-2001 37800 31-JUL-2001 1674 30-JUN-2001 1674 30-JUN-2001 1670 31-JUN-2001 7700 31-JUN-2001 7700 31-JUN-2001 7700 31-JUN-2001 7700 31-JUN-2001 7700 31-JUN-2001 7700 31-JUN-2001 7700 31-JUN-2001 7700 7700 7700 7700 7700 7700 7700	31-AUG-2001	8277					
31-JUL-2001 1674 30-JUN-2001 7568 30-JUN-2001 7568 31-MAY-2001 7568 31-MAY-2001 16937 30-APR-2001 4912 30-APR-2001 39580 28-FEB-2001 246 28-FEB-2001 34700 31-JAN-2001 915 31-JAN-2001 915 31-JAN-2001 915 31-JAN-2001 915 31-DEC-2000 766 31-DEC-2000 776 31-DEC-2000 47800 31-OCT-2000 47800 31-OCT-2000 47800 31-OCT-2000 47800 31-OCT-2000 47800 31-JUL-2000 41849 31-JUL-2000 915 31-JUL-2000 41780	31-AUG-2001	34700					
30-JUN-2001 51500 30-JUN-2001 7058 31-MAY-2001 77500 31-MAY-2001 19837 30-APR-2001 4912 30-APR-2001 78200 31-MAR-2001 15481 31-MAR-2001 95800 28-FEB-2001 4700 31-JAN-2001 19100 31-JAN-2001 1910 31-JAN-2001 915 31-JAN-2001 915 31-JAN-2001 915 31-JOE-0-2000 716 31-DEC-0000 5500 30-NOV-2000 47600 30-NOV-2000 47600 30-NOV-2000 57100 30-SEP-2000 11152 30-SEP-2000 57100 30-SEP-2000 11152 30-SEP-2000 11152 31-JUL-2000 116300 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400 31-JUL-2000 116400	31-JUL-2001	37600					
30-JUN-2001 7058 31-MAY-2001 71900 31-MAY-2001 16937 30-APR-2001 4912 30-APR-2001 75200 31-MAR-2001 95800 28-FEB-2001 246 28-FEB-2001 4700 31-JAN-2001 915 31-DEC-2000 716 31-DEC-2000 716 31-DEC-2000 5500 30-NOV-2006 5420 30-NOV-2006 57900 31-OCT-2000 11152 30-SEP-2000 9710 31-JUL-2000 11859 31-AUG-2000 11859	31-JUL-2001	1674					
31-MAY-2001 71900 31-MAY-2001 16937 30-APR-2001 4912 30-APR-2001 78200 31-MAR-2001 95800 28-FEB-2001 246 28-FEB-2001 4700 31-JAN-2001 915 31-DEC-2000 716 31-DEC-2000 716 31-DEC-2000 5500 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57900 31-OCT-2000 11152 30-SEP-2000 3700 31-JAN-2001 915 31-JAN-2001 915 31-DEC-2000 5420 30-NOV-2000 47800 31-OCT-2000 11152 30-SEP-2000 31-OCT-2000 11152 30-SEP-2000 31-OCT-2000 1157 31-JAN-2000 18839 31-JAN-2000 142700 31-JUL-2000 14784 31-JUL-2000 116900 30-JUN-2000 30575 31-MAY-2000 30575 31-MAY-2000 31590 30-APR-2000 22238 31-JAN-2000 19142 29-FEB-2000 28900	30-JUN-2001	51500					
31-MAY-2001 16937 30-APR-2001 78200 31-MAR-2001 15481 31-MAR-2001 35800 28-F68-2001 4700 31-JAN-2001 31100 31-JAN-2001 31300 31-JAN-2001 31300 31-JAN-2001 31300 31-JAN-2001 31-JAN-2001 31300 31-JAN-2001 31-JAN-2001 31300 31-OEC-2000 5500 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 6157 31-AUG-2000 11152 30-SEP-2000 6157 31-JUL-2000 18839 31-JUL-2000 18839 31-JUL-2000 18839 31-JUL-2000 31500 30-JUN-2000 30575 31-MAY-2000 30575 31-MAY-2000 31500 30-APR-2000 22238 31-MAR-2000 19142 29-F68-2000 19142	30-JUN-2001	7058					
30-APR-2001 4912 30-APR-2001 78290 31-MAR-2001 15481 31-MAR-2001 95800 228-FEB-2001 4700 31-JAN-2001 313100 31-JAN-2001 915 31-DC-2000 716 31-DC-2000 5500 30-NOV-2000 5420 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 31-OCT-2000 37100 30-SEP-2000 3710 30-SEP-2000 11152 30-SEP-2000 11152 31-AUG-2000 18839 31-AUG-2000 142700 31-JUL-2000 118300 30-JUN-2000 31007 31-JUL-2000 31500 30-JUN-2000 30575 31-MAY-2000 30575 31-MAY-2000 31590 30-APR-2000 37700 30-APR-2000 22238 31-MAR-2000 19142 29-FEB-2000 28900	31-MAY-2001	71900					
30-APR-2001 78200 31-MAR-2001 99800 28-F8-2001 246 28-F8-2001 4700 31-JAN-2001 9915 31-JAN-2001 9915 31-JAN-2001 9915 31-JAN-2001 9915 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 5420 30-NOV-2000 57900 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 9157 31-JAN-2000 9157 31-JAN-2000 9157 31-JAN-2000 9157 31-JAN-2000 9157 31-JAN-2000 9157 31-JAN-2000 9157 915 915 915 915 915 915 915 915 915 915	31-MAY-2001	16937					
31-MAR-2001 15481 31-MAR-2001 95800 28-FEB-2001 246 28-FEB-2001 4700 31-JAN-2001 15100 31-JAN-2001 15100 31-JAN-2001 915 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 57100 30-SEP-2000 6157 31-MAC-2000 18839 31-AUG-2000 142700 31-JUL-2000 11300 30-JUN-2000 31-JUL-2000 11300 30-JUN-2000 30-JUN-2000 30-JUN-2000 30-JUN-2000 30-JUN-2000 30-JUN-2000 30-JUN-2000 30-JUN-2000 31500 30-JUN-2000 31500 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 28900 28900	30-APR-2001	4912					
31-MAR-2001 95800 28-FEB-2001 246 28-FEB-2001 4700 31-JAN-2001 13100 31-JAN-2001 915 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 9157 30-SEP-2000 18639 31-AUG-2000 18639 31-AUG-2000 142700 31-JUL-2000 41784 31-JUL-2000 11600 30-JUN-2000 30-JT-100 30-JUN-2000 31500 30-JUN-2000 30575 31-MAY-2000 31500 30-APR-2000 31500 30-APR-2000 22830 31-MAR-2000 19142 29-FEB-2000 25600	30-APR-2001	78200					
28-FEB-2001 246 28-FEB-2001 4700 31-JAN-2001 13100 31-JAN-2001 915 31-DEC-2000 716 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 57100 30-SEP-2000 57100 30-SEP-2000 11152 30-SEP-2000 18839 31-AUG-2000 142700 31-JUL-2000 116300 30-JUN-2000 116300 30-JUN-2000 74100 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 27600 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 19142 29-FEB-2000 28600	31-MAR-2001	15481					
28-FEB-2001 4700 31-JAN-2001 13100 31-JAN-2001 915 31-DEC-2000 716 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 11152 30-SEP-2000 6157 31-AUG-2000 11839 31-AUG-2000 142700 31-JUL-2000 14839 31-AUG-2000 14839 31-AUG-2000 14970 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 116300 30-JUN-2000 30575 31-MAY-2000 13897 31-MAY-2000 31500 30-APR-2000 27800 30-APR-2000 27800 30-APR-2000 22238 31-MAY-2000 31-MAY-2000 34700 31-MAR-2000 19142 29-FEB-2000 28900	31-MAR-2001	95800					
31-JAN-2001 13100 31-JAN-2001 915 31-DEC-2000 716 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 11152 30-SEP-2000 57100 30-SEP-2000 57100 30-SEP-2000 1157 31-AUG-2000 19839 31-AUG-2000 142700 31-JUL-2000 116300 30-JUN-2000 116300 30-JUN-2000 30575 31-JUL-2000 18597 31-MAY-2000 18597 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 19142 29-FEB-2000 19142	28-FEB-2001	246					
31-JAN-2001 915 31-DEC-2000 716 31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 11152 30-SEP-2000 57100 30-SEP-2000 6157 31-AUG-2000 19839 31-AUG-2000 142700 31-JUL-2000 116300 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 31597 31-MAY-2000 31597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 28900	28-FEB-2001	4700					
31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47600 31-OCT-2000 57900 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 57100 30-SEP-2000 142700 31-AUG-2000 142700 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 74100 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 31590 30-APR-2000 31590 30-APR-2000 30-APR-2000 32-APR-2000 34700 31-MAR-2000 28900 31-MAR-2000 28900 31-MAR-2000 28900	31-JAN-2001	13100					
31-DEC-2000 5500 30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 57100 30-SEP-2000 1157 31-AUG-2000 18839 31-AUG-2000 142700 31-JUL-2000 118300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 31500 30-APR-2000 31500 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 28900	31-JAN-2001	915					
30-NOV-2000 5420 30-NOV-2000 47800 31-OCT-2000 57900 31-OCT-2000 57100 30-SEP-2000 57100 30-SEP-2000 18639 31-AUG-2000 142700 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30-575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-DEC-2000	716					
30-NOV-2000	31-DEC-2000	5500					
31-0CT-2000 57900 31-0CT-2000 11152 30-SEP-2000 57100 30-SEP-2000 6157 31-AUG-2000 18839 31-AUG-2000 142700 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 31590 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 28900	30-NOV-2000	5420					٠.
31-0CT-2000 11152 30-SEP-2000 57100 30-SEP-2000 6157 31-AUG-2000 18639 31-AUG-2000 142700 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 31590 30-APR-2000 31590 30-APR-2000 27600 30-APR-2000 31-MAR-2000 26900 26900	30-NOV-2000	47800					
30-SEP-2000 57100 30-SEP-2000 6157 31-AUG-2000 18639 31-AUG-2000 142700 31-JUL-2000 41784 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-OCT-2000	57900					
30-SEP-2000 6157 31-AUG-2000 18639 31-AUG-2000 142700 31-JUL-2000 41784 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 28900	31-OCT-2000	11152					
31-AUG-2000 18839 31-AUG-2000 142700 31-JUL-2000 41784 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	30-SEP-2000	57100					
31-AUG-2000	30-SEP-2000	6157					
31-JUL-2000 41784 31-JUL-2000 116300 30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 31597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-AUG-2000	18639				,	
31-JUL-2000	31-AUG-2000	142700					
30-JUN-2000 74100 30-JUN-2000 30575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-JUL-2000	41784					
30-JUN-2000 30575 31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-JUL-2000	116300					
31-MAY-2000 18597 31-MAY-2000 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	30-JUN-2000	74100					
31-MAY-2000 31500 31500 30-APR-2000 27600 30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	30-JUN-2000	30575					
30-APR-2000 27600 30-APR-2000 32238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-MAY-2000	18597					
30-APR-2000 22238 31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	31-MAY-2000	31500					
31-MAR-2000 34700 31-MAR-2000 19142 29-FEB-2000 26900	30-APR-2000	27600					i:
31-MAR-2000	30-APR-2000	22238					
29-FEB-2000 26900	31-MAR-2000	34700					
	31-MAR-2000	19142					
29-FEB-2000 22324 22324	29-FEB-2000	26900					
	29-FEB-2000	22324					

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	М



PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross	

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END DATE	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION		VIOLATION DESCRIPTION	DETECTION DESCRIPTION	DETECTION DATE	RESOLUTION DESCRIPTION
31-AUG-2012							No				
							Discharge				
31-JUL-2012							No				
							Discharge				
30-JUN-2012							No Discharge				
31-MAY-2012							No				
31-WAT-2012							Discharge				
30-APR-2012							No				
							Discharge				
31-MAR-2012							No				
							Discharge				
29-FEB-2012							No Discharge				
31-JAN-2012							No				
0.0.1.20.2							Discharge				
31-DEC-2011	'						No				
			ļ				Discharge				
30-NOV-2011							No Discharge				
31-OCT-2011	:						1				
31-001-2011							No Discharge				
30-SEP-2011							No				
							Discharge				
31-AUG-2011							No				
							Discharge				
31-JUL-2011							No Discharge				
30-JUN-2011							No				
00 0011 2011							Discharge				
31-MAY-2011							No				
							Discharge				
30-APR-2011							No				
			1				Discharge				
31-MAR-2011							No Discharge				
28-FEB-2011							No				
							Discharge				
31-JAN-2011							No	İ			
							Discharge				
31-DEC-2010							No				
	·						Discharge				
30-NOV-2010							No Discharge			1	
31-OCT-2010							No				
							Discharge				
30-SEP-2010							No				
:							Discharge				
31-AUG-2010							No				
04 1111 2212							Discharge				
31-JUL-2010			Ì				No Discharge				
	l	l	I	ŀ	t	Į.]	1	1	1

30-JUN-2010				No Discharge		
31-MAY-2010			1	No Discharge		
30-APR-2010				No Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR		UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-MAR-2010							No				
							Discharge				
20 550 0040							No				
28-FEB-2010							Discharge				
31-JAN-2010							No Disabassa				
							Discharge			;	
31-DEC-2009							No				
							Discharge				
30-NOV-2009							No				
))				Discharge				
31-OCT-2009							No				
01-001-2000							Discharge				
30-SEP-2009							No Discharge				
							1				
31-AUG-2009							No				
							Discharge				
31-JUL-2009							No				
							Discharge				
30-JUN-2009							No				
							Discharge				
31-MAY-2009							No				
31-MAT-2009							Discharge		ļ		
30-APR-2009							No Disebasses				
							Discharge				
31-MAR-2009							No				
							Discharge				
28-FEB-2009							No				
							Discharge				
31-JAN-2009							No				İ
							Discharge				
31-DEC-2008							No				
31-020-2008							Discharge				
							-				
30-NOV-2008							No 5: 1				
							Discharge				
31-OCT-2008							No				
							Discharge				
30-SEP-2008							No				
							Discharge				
31-AUG-2008											
31-AUG-2008							No Discharge				
			1				ursural ye				

31-JUL-2008						No Discharge				
30-JUN-2008						No				
31-MAY-2008						Discharge No				
30-APR-2008						Discharge No				
						Discharge				
31-MAR-2008						No Discharge				
29-FEB-2008						No Discharge				
31-JAN-2008						No Discharge				
31-DEC-2007						No Discharge				
30-NOV-2007						No Discharge				
31-OCT-2007						No Discharge				
30-SEP-2007						No Discharge				
31-AUG-2007						No Discharge				
31-JUL-2007				: :		No Discharge				
30-JUN-2007						No Discharge				
31-MAY-2007						No Discharge				
30-APR-2007						No Discharge				
31-MAR-2007						No Discharge				
28-FEB-2007						No Discharge				
31-JAN-2007						No Discharge				
31-DEC-2006						No Discharge				
30-NOV-2006						No Discharge				
31-OCT-2006	Equals					No Discharge				
30-SEP-2006	Equals					No Discharge				
31-AUG-2006	Equals					No Discharge				
31-JUL-2006	Equals					No Discharge				
30-JUN-2006						No Discharge				
31-MAY-2006						No Discharge				
30-APR-2006						No Discharge				
1	1	: i	1	ı	1	•	1	1	r	1

31-MAR-2006 28-FEB-2006 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge
28-FEB-2006 31-JAN-2006 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge
Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge
31-JAN-2006 No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge
Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge Discharge No Discharge Discharge No Discharge Discharge No Discharge
30-NOV-2005 No Discharge No Discharge No Discharge
30-NOV-2005 31-OCT-2005 Discharge No Discharge No Discharge
Discharge No Discharge
31-OCT-2005 No Discharge
Discharge
30-SEP-2005
31-AUG-2005 No
Discharge
31-JUL-2005 No
Discharge
30-JUN-2005 No Discharge
31-MAY-2005 No
Discharge
30-APR-2005 No
Discharge
31-MAR-2005 No Discharge
28-FEB-2005 No Discharge

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

										·		
	MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	<u>UNIT</u>	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
	PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	<u>VIOLATION</u>	DETECTION	DETECTION	RESOLUTION
-	DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
	31-JAN-2005			ŀ				No				
								Discharge				
ĺ								1			}	}
	31-DEC-2004							No				
								Discharge				
	30-NOV-2004							No				
1				1				Discharge			1	
	31-OCT-2004							No	·			
	31-001-2004							Discharge				
											•	
-	30-SEP-2004		ļ					No			ļ	
								Discharge				
	31-AUG-2004							No				
								Discharge				
-								_				
-	31-JUL-2004							No				
- 1								Discharge			Ì	
1	30-JUN-2004							No				
J	}							Discharge				1
	31-MAY-2004							No				
	31-WA1-2004							Discharge				
								Discharge				

30-APR-2004						No Discharge		
31-MAR-2004						No		
29-FEB-2004	:					Discharge No		
						Discharge		
31-JAN-2004						No Discharge		
31-DEC-2003						No Discharge		
30-NOV-2003						No		
31-OCT-2003	:					Discharge No		
20 SED 2002	:					Discharge		
30-SEP-2003						No Discharge		
31-AUG-2003						No Discharge		
31-JUL-2003						No Discharge		
30-JUN-2003						No		
31-MAY-2003						Discharge No		
						Discharge		
30-APR-2003						No Discharge		
31-MAR-2003	:				:	No Discharge		
28-FEB-2003						No Discharge		
31-JAN-2003						No		
31-DEC-2002						Discharge No		
						Discharge		
30-NOV-2002						No Discharge		
31-OCT-2002						No Discharge		
30-SEP-2002						No		
31-AUG-2002		66				Discharge		
31-JUL-2002		68						
30-JUN-2002		65						
31-MAY-2002		59					ı	
30-APR-2002		50						
31-MAR-2002		53						
28-FEB-2002		33				Insufficient		
20-1 LB-2002						Flow for		
						Sampling		
31-JAN-2002		46						
31-DEC-2001		88						
30-NOV-2001		70		-				
31-OCT-2001		69						
30-SEP-2001		70						
31-AUG-2001		73						
		'	. '			'		

				1	•	
31-JUL-2001	72					
30-JUN-2001	69					
31-MAY-2001	64					
30-APR-2001	41					
31-MAR-2001	50					
28-FEB-2001	51					
31-JAN-2001	48					
31-DEC-2000	62					
30-NOV-2000	77					
31-OCT-2000	87			,		
30-SEP-2000	74					
31-AUG-2000	74					
31-JUL-2000	73					
30-JUN-2000	61					
31-MAY-2000	57					
30-APR-2000	49					
31-MAR-2000	48					
29-FEB-2000	42					

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

	1				r		Γ		T		
MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION DESCRIPTION	DETECTION DESCRIPTION	DETECTION DATE	RESOLUTION DESCRIPTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-AUG-2012							No				
							Discharge				
31-JUL-2012							No				
							Discharge				
30-JUN-2012]					No				
		ĺ					Discharge				
31-MAY-2012							No				
31-WAT-2012							Discharge				
							_				
30-APR-2012							No				
							Discharge				
31-MAR-2012							No				
							Discharge				
29-FEB-2012							No				
							Discharge				
31-JAN-2012							No				
01-3/14-2012]					Discharge	}			
							_				
31-DEC-2011							No Singhama				
		ŀ					Discharge				
30-NOV-2011							No				
							Discharge				
31-OCT-2011							No	}]]
							Discharge				
30-SEP-2011							No				
30-3LF •2011							Discharge				
		1	1	1			2.30 large	Į.	I	1	

31-AUG-2011 No Discharge No Disc	
. Discharge	
	i
30-JUN-2011 No Discharge	
31-MAY-2011 No Discharge	
30-APR-2011 No	
31-MAR-2011 Discharge No	
28-FEB-2011 Discharge No	
31-JAN-2011 No	
31-DEC-2010 Discharge	
Discharge	
30-NOV-2010 No Discharge	
31-OCT-2010 No Discharge	
30-SEP-2010 No Discharge	
31-AUG-2010 No Discharge	
31-JUL-2010 No Discharge	
30-JUN-2010 No Discharge	
31-MAY-2010 No	
Discharge No Discharge	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	рН	MONITORING LOCATION	Effluent Gross

ING DMR V	LUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
END DESCRI	PTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	OMI	<u>VIOLATION</u>	DETECTION	DETECTION	RESOLUTION
	1							DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
010	1						No				
							Discharge				
010	1						No				
	ŀ						Discharge				
010							No				
							Discharge				
009							No				
							Discharge				•
000							No				
003											
000											,
009				ļ							
		END DESCRIPTOR E 2010 010 010 0009	END DESCRIPTOR VALUE 2010 010 010 0009	END DESCRIPTOR VALUE UNIT E 2010 010 010 0009	END DESCRIPTOR VALUE UNIT VALUE 2010 010 010 009 009	END DESCRIPTOR VALUE UNIT VALUE DESCRIPTOR 1010 1010 1009 1009	END DESCRIPTOR VALUE UNIT VALUE DESCRIPTOR DESCRIPTION 1010 1010 1009 1009	END DESCRIPTOR VALUE UNIT VALUE DESCRIPTOR DESCRIPTION IND No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge No Discharge	END DESCRIPTOR VALUE UNIT VALUE DESCRIPTOR DESCRIPTION IND VIOLATION DESCRIPTION No Discharge	END DESCRIPTOR VALUE UNIT VALUE DESCRIPTOR DESCRIPTION IND VIOLATION DESCRIPTION NO Discharge	END DESCRIPTOR VALUE UNIT VALUE DESCRIPTOR DESCRIPTION IND VIOLATION DESCRIPTI

30-SEP-2009		No Discharge			
31-AUG-2009		No Discharge			, f.,
31-JUL-2009		No Discharge		;	!
30-JUN-2009		No Discharge			
31-MAY-2009		No Discharge			
30-APR-2009		No Discharge			
31-MAR-2009		No Discharge			
28-FEB-2009		No Discharge			
31-JAN-2009		No Discharge			
31-DEC-2008		No Discharge			
30-NOV-2008		No Discharge		,	
31-OCT-2008		No Discharge			
30-SEP-2008		No Discharge			
31-AUG-2008		No Discharge			
31-JUL-2008		No Discharge	!		
30-JUN-2008		No Discharge			
31-MAY-2008		No Discharge			
30-APR-2008		No Discharge	:		
31-MAR-2008		No Discharge			
29-FEB-2008		No Discharge			
31-JAN-2008		No Discharge			
31-DEC-2007		No Discharge			
30-NOV-2007		No Discharge			
31-OCT-2007		No Discharge			
30-SEP-2007		No Discharge		:	
31-AUG-2007		No Discharge			
31-JUL-2007		No Discharge			
30-JUN-2007		No Discharge			

31-MAY-2007				No Discharge				•
30-APR-2007				No Discharge				
31-MAR-2007				No Discharge				
28-FEB-2007				No Discharge				
31-JAN-2007				No Discharge				
31-DEC-2006				No Discharge				
30-NOV-2006				No Discharge				
31-OCT-2006	Equals			No Discharge				
30-SEP-2006	Equals			No Discharge				
31-AUG-2006	Equals			No Discharge				
31-JUL-2006	Equals			No Discharge			•	
30-JUN-2006				No Discharge			:	
31-MAY-2006				No Discharge				
30-APR-2006				No Discharge				·
31-MAR-2006				No Discharge				
28-FEB-2006				No Discharge				
31-JAN-2006				No Discharge				
31-DEC-2005		i		No Discharge				
30-NOV-2005				No Discharge				
31-OCT-2005				No Discharge				
30-SEP-2005				No Discharge				
31-AUG-2005				No Discharge				
31-JUL-2005				No Discharge				
30-JUN-2005				No Discharge				
31-MAY-2005	1			No Discharge		'		
30-APR-2005				No Discharge	:			
31-MAR-2005				No Discharge				
28-FEB-2005				No Discharge				

...

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	O	REPORT DESIGNATOR	М
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

	DMR VALUE DESCRIPTOR	<u>DMR</u> VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION	
<u>DATE</u> 31-JAN-2005							No	DESCRIPTION	DESCRIPTION	<u>DATE</u>	DESCRIPTION	
31-DEC-2004							Discharge No					
							Discharge					
30-NOV-2004							No Discharge		İ			
31-OCT-2004							No Discharge					
30-SEP-2004							No Discharge					
31-AUG-2004							No Discharge					
31-JUL-2004							No					
20 15 10 2004							Discharge No					
30-JUN-2004							Discharge					
31-MAY-2004							No Discharge					
30-APR-2004							No Discharge		:	1		
31-MAR-2004							No Discharge					
29-FEB-2004							No					
31-JAN-2004		:					Discharge No					
31-0/14-2004	i						Discharge					
31-DEC-2003							No Discharge					
30-NOV-2003							No Discharge					
31-OCT-2003							No Discharge					
30-SEP-2003	!						No					
31-AUG-2003							Discharge No					
J 1-AUG-2003							Discharge					
31-JUL-2003							No Discharge					
30-JUN-2003							No Discharge			}		
31-MAY-2003							No					
30-APR-2003	!						Discharge No					
							Discharge					
31-MAR-2003							No Discharge					
28-FEB-2003							No Discharge					

31-JAN-2003				No Discharge			•
31-DEC-2002				No Discharge			
30-NOV-2002				No			
31-OCT-2002				Discharge No			
30-SEP-2002				Discharge No			
				Discharge			
31-AUG-2002	7.4						
31-JUL-2002	7.6						
30-JUN-2002	7.3				!		
31-MAY-2002	7.8						
30-APR-2002	7.2						
31-MAR-2002	7.2						
28-FEB-2002				Insufficient Flow for			
				Sampling			
31-JAN-2002	8.2						
31-DEC-2001	7.8						
30-NOV-2001	7.6						
31-OCT-2001	8.2						
30-SEP-2001	7.7						
31-AUG-2001	7.7						_
31-JUL-2001	8						*
30-JUN-2001	7.7						
31-MAY-2001	7.5						
30-APR-2001	8						
31-MAR-2001	7.4						
28-FEB-2001	7.8						
31-JAN-2001	7.2						
31-DEC-2000	7.6						
30-NOV-2000	7.5						
31-OCT-2000	8						
30-SEP-2000	8.2						
31-AUG-2000	7.6						
31-JUL-2000	7.9						
30-JUN-2000	7.9	[
31-MAY-2000	8.3						
30-APR-2000	7.8						
31-MAR-2000	7.1						
29-FEB-2000	7.1						
L	 	 <u> </u>	L	L	L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 L	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	М
PARAMETER CODE	рН	MONITORING LOCATION	Effluent Gross

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC	
PERIOD END DATE	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	<u>IND</u>	VIOLATION DESCRIPTION	DETECTION DESCRIPTION	DETECTION DATE	RESOLUTION DESCRIPTION	
							No	DESCRIPTION	BESCHI HON	DATE	DESCRIPTION	٠
31-AUG-2012							No Discharge					
31-JUL-2012							No Discharge					
30-JUN-2012							No					
							Discharge					
31-MAY-2012							No Discharge					
30-APR-2012							No Discharge					
31-MAR-2012							No					
						i.	Discharge					
29-FEB-2012							No Discharge					
31-JAN-2012							No Discharge					
31-DEC-2011							No					
							Discharge					
30-NOV-2011							No Discharge			:		
31-OCT-2011							No Discharge					
30-SEP-2011							No					
							Discharge					
31-AUG-2011							No Discharge					. 50
31-JUL-2011							No Discharge					
30-JUN-2011							No					
							Discharge					
31-MAY-2011							No Discharge					
30-APR-2011							No Discharge					
31-MAR-2011							No					
							Discharge					
28-FEB-2011							No Discharge					
31-JAN-2011							No					
31-DEC-2010							Discharge No					
01 523 2313							Discharge					
30-NOV-2010							No Discharge					
31-OCT-2010							No					
00 0ED 0040							Discharge					
30-SEP-2010							No Discharge					
31-AUG-2010							No Discharge					
31-JUL-2010							No					
							Discharge					98 A)
30-JUN-2010							No Discharge					

31-MAY-2010		i e	No Discharge		
30-APR-2010			No Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

		T				I				T	T
MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	<u>UNIT</u>	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
28-FEB-2010							No				
20-1 120-2010							Discharge				
							Discharge				
30-NOV-2009							No				
							Discharge				
31-AUG-2009							No				
01-7100-2000							Discharge			1	
							Discriningo				
31-MAY-2009							No				
							Discharge				
28-FEB-2009							No				
20 1 25 2000							Discharge				
							Discriarge				
30-NOV-2008							No				
							Discharge				
31-AUG-2008							No				
0171002000							Discharge				
							Diconargo				
31-MAY-2008							No				
							Discharge				
29-FEB-2008							No				
							Discharge				
30-NOV-2007							No				
							Discharge				
31-AUG-2007							No				
							Discharge				,
j							_				
31-MAY-2007							No				
							Discharge				
28-FEB-2007							No				
							Discharge				
00 11011 0000										i	
30-NOV-2006							No				
							Discharge		,		
31-AUG-2006	Equals						No				
							Discharge				
04 1407 0000		;									
31-MAY-2006							No				
							Discharge				
28-FEB-2006							No				
							Discharge				
30-NOV-2005											
30-NOV-2005							No			1	
							Discharge				
31-AUG-2005							No				
							Discharge				
24 MAY 2022	:										
31-MAY-2005							No				
							Discharge			-	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC. NPDES	NY0204323

LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	<u>DMR</u> VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
0-NOV-2004							No Discharge			:	
1-AUG-2004							No Discharge				
31-MAY-2004							No Discharge				
29-FEB-2004							No				
30-NOV-2003							Discharge No				
31-AUG-2003							Discharge No				
							Discharge				
31-MAY-2003			,				No Discharge				
28-FEB-2003							No Discharge				
30-NOV-2002							No Discharge		i		
31-AUG-2002		0									
31-MAY-2002		0									
31-MAY-2002							Conditional Monitoring - Not Required This Period				
28-FEB-2002							No				
28-FEB-2002	Less Than	4					Discharge				
30-NOV-2001							Below Detection Limit/No				
							Detection			·	
30-NOV-2001							Conditional Monitoring - Not Required This Period				
31-AUG-2001							Conditional Monitoring - Not Required This Period				
31-AUG-2001		7									
31-MAY-2001							Conditional Monitoring -				
							Not Required This Period				
31-MAY-2001		18									
30-NOV-2000		32									
30-NOV-2000							Conditional Monitoring -				
							Not Required This Period			1	

31-AUG-2000		Conditional Monitoring - Not Required This Period	
31-AUG-2000	2		
31-MAY-2000	2.5		
31-MAY-2000		Conditional Monitoring - Not Required This Period	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Effluent Gross

			I	· · · · · · · · · · · · · · · · · · ·		T			· · · · · · · · · · · · · · · · · · ·		
MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-AUG-2012							No				
31-740-2012							Discharge				
							Discharge				
31-MAY-2012							No				
							Discharge				
00 550 0040											
29-FEB-2012							No				
							Discharge				
30-NOV-2011							No				
		1					Discharge				
										'	
31-AUG-2011							No				
							Discharge				
31-MAY-2011		1					No				
							Discharge				
							_				
28-FEB-2011							No				
							Discharge				
30-NOV-2010							No				
30-110/0-2010										}	
							Discharge				
31-AUG-2010							No			1	
							Discharge				
31-MAY-2010							No				
							Discharge				

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Intake from Stream

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
28-FEB-2010							No Discharge				
30-NOV-2009			:				No Discharge				
31-AUG-2009							No Discharge				

31-MAY-2009		No Discharge		•
28-FEB-2009		No Discharge		
30-NOV-2008		No Discharge		
31-AUG-2008		No Discharge		
31-MAY-2008		No Discharge		
29-FEB-2008		No Discharge		
30-NOV-2007		No Discharge		
31-AUG-2007		No		
31-MAY-2007		No Significance	3	
28-FEB-2007		Discharge No		
30-NOV-2006		Discharge No		
31-AUG-2006 Equals		No St. Land		
31-MAY-2006		Discharge No		
28-FEB-2006		Discharge No		1
30-NOV-2005		Discharge No		
31-AUG-2005		Discharge No		
31-MAY-2005		No Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Intake from Stream

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END DATE	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION DESCRIPTION	DETECTION DESCRIPTION	DATE	RESOLUTION DESCRIPTION
30-NOV-2004							No				
							Discharge				
31-AUG-2004							No Discharge				
04 144 14 0004											
31-MAY-2004							No Discharge				
29-FEB-2004							No	!			
							Discharge	:			
30-NOV-2003							No				
31-AUG-2003											
							No Discharge				

31-MAY-2003				No Discharge		•
28-FEB-2003				No Discharge		
30-NOV-2002				No		
				Discharge		
31-AUG-2002		0				
31-MAY-2002		0				
31-MAY-2002				Conditional Monitoring - Not Required This Period		
28-FEB-2002				No Discharge		
28-FEB-2002	Less Than	4				
30-NOV-2001				Below Detection Limit/No Detection		
30-NOV-2001				Conditional Monitoring - Not Required		
31-AUG-2001				This Period Conditional		
				Monitoring - Not Required This Period		
31-AUG-2001		7				
31-MAY-2001		18				1
31-MAY-2001				Conditional Monitoring - Not Required This Period		
30-NOV-2000		32				
30-NOV-2000				Conditional Monitoring - Not Required This Period		
31-AUG-2000				Conditional Monitoring - Not Required This Period		
31-AUG-2000		2				
31-MAY-2000		2.5				
31-MAY-2000				Conditional Monitoring -		
	,			Not Required This Period		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	•	REPORT DESIGNATOR	Q
PARAMETER CODE	Solids, total suspended	MONITORING LOCATION	Intake from Stream

MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	<u>VALUE</u>	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	<u>IND</u>	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION

31-AUG-2012		1	No Discharge		
31-MAY-2012			No Discharge		
29-FEB-2012			No Discharge		
30-NOV-2011			No Discharge		
31-AUG-2011			No		
31-MAY-2011			Discharge No		
28-FEB-2011			Discharge No		
30-NOV-2010			Discharge No		
31-AUG-2010			Discharge No		
31-MAY-2010			Discharge No		
			Discharge		

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	s
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Gross

	I							1			T
MONITORING	DMR VALUE	DMR	DMR	LIMIT	LIMIT VALUE	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
PERIOD END	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	VIOLATION	DETECTION	DETECTION	RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
							1.,				
30-NOV-2009							No				
							Discharge				
31-MAY-2009							No				
31-W/A1-2003	1					1	Discharge				
			ĺ				Discharge				
30-NOV-2008							No				
				ļ			Discharge				
31-MAY-2008			J				No	İ			
							Discharge			ĺ.	
30-NOV-2007							No				
30-140 4-2007			l				Discharge				
				ł			Discharge				
31-MAY-2007			1	}			No				
			1	ĺ			Discharge				
			ļ.				_				
30-NOV-2006							No				
}							Discharge				
31-MAY-2006				1	1		No		1		
3 1-IVIA 1-2006				l							
							Discharge				
30-NOV-2005							No				
							Discharge				
<u> </u>		L		L	<u> </u>	L					

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	s
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR	DMR	LIMIT	LIMIT VALUE DESCRIPTOR	UNIT	DISCHARGE	MEASUREMENT	RNC	RNC	RNC
DATE	DESCRIPTOR	VALUE	UNIT	VALUE	DESCRIPTOR	DESCRIPTION	IND	<u>VIOLATION</u> <u>DESCRIPTION</u>	DETECTION DESCRIPTION	DETECTION DATE	RESOLUTION DESCRIPTION
30-NOV-2004							No Discharge				
31-MAY-2004							No Discharge				
30-NOV-2003							No Discharge		į		
31-MAY-2003							No Discharge				
30-NOV-2002		0									
31-MAY-2002		0									
30-NOV-2001		8.7									
31-MAY-2001		328									
30-NOV-2000		14									

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	s
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION	RNC DETECTION	RNC DETECTION	RNC RESOLUTION
DATE								DESCRIPTION	DESCRIPTION	DATE	DESCRIPTION
31-MAY-2012							No	·			
							Discharge				
30-NOV-2011							No Discharge				
31-MAY-2011							No Discharge				
30-NOV-2010							No Discharge				
31-MAY-2010							No Discharge				

Compliance Schedules and Violations

FACILITY NAME (1) VANDEMARK CHEMICAL, INC. NPDES NY0204323

Compliance Schedule Violations

			Compliance Sc	nedule violati	Ulis	
SCHEDULE NUMBER	DATA SOURCE	VIOLATION	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE
	400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	28-OCT-2001	RE - Back into Compliance	11-JAN-2002
	400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	28-OCT-2001	RE - Back into Compliance	11-JAN-2002
	400022999	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	02-MAR-2002	RE - Back into Compliance	20-JUN-2002
	400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	02-MAR-2002	RE - Back into Compliance	20-JUN-2002
	400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	27-APR-2002	RE - Back into Compliance	01-AUG-2002

400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	27-APR-2002	RE - Back into Compliance	01-AUG-2002
400022999	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	30-OCT-2002	RE - Back into Compliance	25-NOV-2002
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	30-OCT-2002	RE - Back into Compliance	25-NOV-2002
400022999	DMR, Manitor Only - Overdue	Non-Receipt of DMR/Schedule Report	31-MAY-2003	RE - Manual by Back into Compliance/Administratively Resolved	31-MAY-2003
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	31-MAY-2003	RE - Manual by Back into Compliance/Administratively Resolved	31-MAY-2003
400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	31-AUG-2003	RE - Manual by Back into Compliance/Administratively Resolved	31-AUG-2003
400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	29-FEB-2004	RE - Manual by Back into Compliance/Administratively Resolved	29-FEB-2004
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	29-FEB-2004	RE - Manual by Back into Compliance/Administratively Resolved	29-FEB-2004
400022999	DMR, Manitor Only - Overdue	Nan-Receipt of DMR/Schedule Report	31-MAY-2004	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	31-MAY-2004	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Nan-Receipt of DMR/Schedule Report	28-FEB-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Manitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	28-FEB-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	29-JUL-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	29-JUL-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Manitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	29-OCT-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Limited - Overdue	Non-receipt Violation, Non- Monthly Average	28-SEP-2009	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Limited - Overdue	Non-receipt Violation, Non- Monthly Average	29-OCT-2009	RE - Two Years Past Detection (System Administratively Resolved)	29-OCT-2011
400022998	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	29-OCT-2009	RE - Two Years Past Detection (System Administratively Resolved)	29-OCT-2011
400022998	DMR, Monitor Only - Overdue	Non-receipt Violatioπ, Non- Monthly Average	29-OCT-2009	RE - Two Years Past Detection (System Administratively Resolved)	29-OCT-2011
400022998	DMR, Limited - Overdue				
400022999	DMR, Limited - Overdue				
400022999	DMR, Monitor Only - Overdue				

No Compliance Schedules Found.

Pretreatment Inspections/Audits

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323	

No ICIS Pretreatment Inspections Found.

Pretreatment Performance Summary

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323	
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npdesid=NY0204323&npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=5&npvalue=6&rvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=8

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. Run a PCS Search

Last updated on Thursday, October 11, 2012



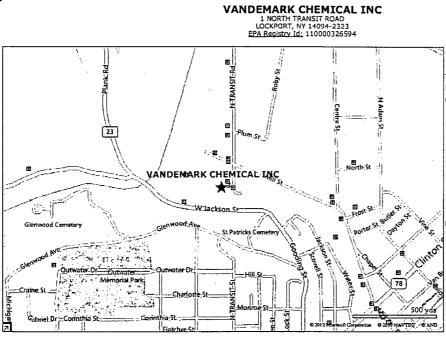
Facility Registry System (FRS) You are here: EPA Home Envirofacts FRS Report



Facility Detail Report







Legend

- Selected Facility
- EPA Facility of Interest
- □ State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIR FACILITY SYSTEM	3606300061	AIR MAJOR (ACTIVE)	AIRS/AFS	09/06/2012	
BIENNIAL REPORTERS	NYD175773779	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2009	
EMISSION INVENTORY SYSTEM (EIS)	7762511	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS		
NEW YORK - FACILITY INFORMATION SYSTEM	9-2909-00107	STATE MASTER	FIS		FIS-9-2909-0107/00001 AIR MAJOR FIS-9-2909-0107/00003 AIR PROGRAM FIS-9-2909-0107/00005 AIR PROGRAM FIS-9-2909-0107/00007 AIR PROGRAM FIS-9-2909-0107/00009 AIR PROGRAM FIS-9-2909-0107/00011 AIR PROGRAM FIS-9-2909-0107/00013 AIR PROGRAM FIS-9-2909-0107/00019 AIR PROGRAM FIS-9-2909-0107/00019 AIR PROGRAM FIS-9-2909-0107/00019 AIR PROGRAM FIS-9-2909-0107/00021 AIR PROGRAM FIS-9-2909-0107/00023 AIR PROGRAM FIS-9-2909-0107/00023 AIR PROGRAM FIS-9-2909-0107/00025 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00035 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00034 AIR PROGRAM FIS-9-2909-0107/00041 AIR PROGRAM FIS-9-2909-0107/00045 AIR PROGRAM FIS-9-2909-0107/00047 AIR PROGRAM FIS-9-2909-0107/00047 AIR PROGRAM FIS-9-2909-0107/00047 AIR PROGRAM

					FIS-9-2909-00107/00051 AIR PROGRAM FIS-9-2909-00107/00053 AIR PROGRAM FIS-9-2909-00107/00055 AIR PROGRAM FIS-9-2909-00107/00055 AIR PROGRAM FIS-9-2909-00107/00059 AIR PROGRAM FIS-9-2909-00107/00061 AIR PROGRAM FIS-9-2909-00107/00063 AIR PROGRAM FIS-9-2909-00107/00065 AIR PROGRAM FIS-9-2909-00107/00067 AIR PROGRAM FIS-9-2909-00107/00067 AIR PROGRAM FIS-9-2909-00107/00067 AIR PROGRAM FIS-9-2909-00107/00071 AIR PROGRAM FIS-9-2909-00107/00073 AIR PROGRAM FIS-9-2909-00107/00075 AIR PROGRAM FIS-9-2909-00107/00077 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00081 AIR PROGRAM FIS-9-2909-00107/00083 AIR PROGRAM FIS-9-2909-00107/00083 AIR PROGRAM FIS-9-2909-00107/00089
NATIONAL COMPLIANCE DATABASE	D02#E-02-2004-4209	COMPLIANCE ACTIVITY	NCDB		AIR MAJOR
NATIONAL COMPLIANCE DATABASE	102#199108292774 2	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	IO2#199108292774 3	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 4	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 5	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 6	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#1991082927747	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 12	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 14	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 15	COMPLIANCE ACTIVITY	NCDB		
NATIONAL EMISSIONS INVENTORY	NEINY0639290	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NY0204323	ICIS-NPDES NON-MAJOR	ICIS	03/05/2010	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NYROOF095	ICIS-NPDES NON-MAJOR	ICIS	02/09/2012	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
PERMIT COMPLIANCE SYSTEM	NY0204323	NPDES NON-MAJOR	NPDES PERMIT	09/01/2004	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD002116192	UNSPECIFIED UNIVERSE (INACTIVE)	RCRAINFO	04/22/2010	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD175773779	LQG (ACTIVE)	RCRAINFO	09/10/2012	
TOXIC RELEASE INVENTORY SYSTEM	14094VNDMR1NORT	TRI REPORTER	TRI REPORTING FORM	06/14/2012	ICIS-02-2004-4209 FORMAL ENFORCEMENT ACTION
TOXIC SUBSTANCES CONTROL ACT	100602833	TSCA SUBMITTER	TSCA	12/31/2005	

Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Watershed Report

Standard Industrial Classification Codes (SIC)

National Industry Classification System Codes (NAICS)

Data Source	SIC Code	Description	Primary	
NPDES	9999	NONCLASSIFIABLE ESTABLISHMENTS		111
FIS	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED		
NPDES	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED		
NEI	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED		
AIRS/AFS	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED		
FIS	2834	PHARMACEUTICAL PREPARATIONS		11
PCS	9999	NONCLASSIFIABLE ESTABLISHMENTS		

	Data Source	NAICS Code	Description	Primary
	RCRAINFO	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
ł	EIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
ļ	RCRAINFO	32511	PETROCHEMICAL MANUFACTURING	
ı	RCRAINFO	325181	ALKALIES AND CHLORINE MANUFACTURING.	
	TRIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
ı	NEI	325		
	RCRAINFO	325188	ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING.	
	NEI	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
	FIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	

Facility Codes and Flags

EPA Region:	02
Quns Number:	
Congressional District Number:	26
Legislative District Number:	NY
HUC Code/Watershed:	04130001 / OAK ORCHARD-TWELVEMILE
US Mexico Border Indicator:	NO
Federal Facility:	NO
Tribal Land:	NO

Facility Mailing Addresses

Affiliation Type	<u>Delivery Point</u>	City Name	State	<u>Postal</u> Code	Information System
LEGALLY RESPONSIBLE PARTY	5 VAUGHN DR STE III	PRINCETON	Ι	08540	FIS
OPERATOR	1 N TRANSIT RD	OPERCITY	NY	99999	RCRAINFO
PRIMARY MAILING ADDRESS	ISOCHEM, INC	LOCKPORT	NY	14094	PCS



					t						
		http://iaspu	b.epa.gov/enviro	o/fii querv d	OWNER	ISOCHEM, INC.	LOCKPORT	NY	14094	PCS_	_
				-,,	FACILITY MAILING ADDRESS	1 N TRANSIT ROE	LOCKRORITO	n Nikrui	sdat/409atob	er IRCRAINFO	_
Alternati	ve Name		Source of Data		ADDICESS						=
VAN DE MARK	CHEMICAL, INC		NCDB		OWNER	ONE NORTH TRANSIT ROAD	LOCKPORT	NY	14094	RCRAINFO	
VANDEM	ARK INC.		TRIS		OWNER	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO	=
VAN DE MA	RC LOCKPO	AIR VO	LUNTARY SUBMIS	SSION	FACILITY MAILING	1 NORTH TRANSIT	==				=
ISOCH	EM INC	AIRS/AFS			ADDRESS	RD	LOCKPORT	NY	140940000	AIRS/AFS	_
VAN DE MARC CI	HEMICAL CO INC		AIRS/AFS		OWNER	ISOCHEM, INC	LOCKPORT	NY	14094	NPDES	_
ISOCHE	M INC.		TSCA		OWNER	5 VAUGHN DR	PRINCETON	NJ.	08540	RCRAINFO	_
VANCHE	EM, INC		NCDB		REGULATORY	ONE NORTH	LOCKPORT	NY	14094	RCRAINFO	=
VAN CH	EM, INC		NPDES PERMIT		CONTACT	TRANSIT ROAD		ليتنا			_
					REGULATORY CONTACT	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO	
	Organiza	tions			LEGALLY	. NORT / TO ANGE					=
Affiliation Type	Name	DUNS Number	Information System	Mailing Address	RESPONSIBLE PARTY	1 NORTH TRANSIT RD	LOCKPORT	NY	14094	FIS	
LEGALLY	VAN DEMARK GROUP		FIS	View	MAILING ADDRESS	ISOCHEM, INC	LOCKPORT	NY	14094	NPDES	_
RESPONSIBLE PARTY	VAIN DEIMARK GROOF		113	¥16W	OWNER	VANDEMARK	LOCKPORT	NY	14094	NPDES	_
LEGALLY	SNPE INC		FIS	View		CHEMICAL INC.	LOCKFORT		14094	MFDE3	=
RESPONSIBLE PARTY					FACILITY MAILING ADDRESS	1 N TRANSIT RD	LOCKPORT	NY	14094	TRIS	
LEGALLY RESPONSIBLE PARTY	ISOCHEM INC		FIS	Yiew		17925 MERIDIAN		=			=
LECALLY	VANDEMARK				MAILING ADDRESS	ST E	PUYALLUP	WA	98373	FIS	

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
LEGALLY RESPONSIBLE PARTY	VAN DEMARK GROUP		FIS	<u>View</u>
LEGALLY RESPONSIBLE PARTY	SNPE INC		FIS	View
LEGALLY RESPONSIBLE PARTY	ISOCHEM INC		FIS	Yiew
LEGALLY RESPONSIBLE PARTY	VANDEMARK CHEMICAL INC		FIS	View
MAILING ADDRESS	ISOCHEM, INC		NPDES	<u>View</u>
OPERATOR	VAN DE MARK CHEMICAL CO INC		RCRAINFO	View
OPERATOR	VANDEMARK CHEMICAL INC		RCRAINFO	
OWNER	ISOCHEM, INC		NPDES	View
OWNER	ISOCHEM INC.	002116192	TSCA	
OWNER	ISOCHEM, INC		PCS	View
OWNER	SNPE		RCRAINFO	View
OWNER	VANDEMARK CHEMICAL INC.		NPDES	Yiew
OWNER	BUCKINGHAM VANDEMARK HOLDING CORP		RCRAINFO	View
OWNER	BUCKINGHAM VANDEMARK HOLDING CORP		RCRAINFO	View
OWNER/OPERATOR		002116192	AIRS/AFS	

	Co	intacts		
Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
WATER FEE BILLING CONTACT - SPDES	PAMELA J COOK	7164336764	FIS	
AIR COMPLIANCE CONTACT	MATTHEW BARMASSE	7164336764	FIS	
REGULATORY CONTACT	CHRIS BANACH	7164336764 411	RCRAINFO	View
REGULATORY CONTACT	CHRIS BANACH	7164336764 411	RCRAINFO	View
REGULATORY CONTACT	MATTHEW BARMASSE	7164336764	RCRAINFO	View
COGNIZANT OFFICIAL	MATTHEW BARMASSE		PCS	
WATER DMR AUTHORIZED SIGNER	ROBERT J BIGOS	7164336764	FIS	
WATER FEE BILLING CONTACT - SPDES	MATTHEW BARMASSE	7164336764	FIS	
PUBLIC CONTACT	CHRIS BANACH	7164336764	TRIS	
AIR PERMIT CONTACT	PAMELA J COOK	7164336764	FIS	
AIR COMPLIANCE CONTACT	PAMELA J COOK	7164336764	FIS	
AIR PERMIT CONTACT	MATTHEW BARMASSE	7164336764	FIS	
FACILITY PERMIT CONTACT	GERALD A SCHULTZ	7164336764	FIS	

Query executed on: OCT-11-2012

Additional information for CERCLIS or TRI sites:

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National Library of Medicine (NLM) TOXMAP

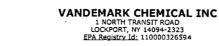


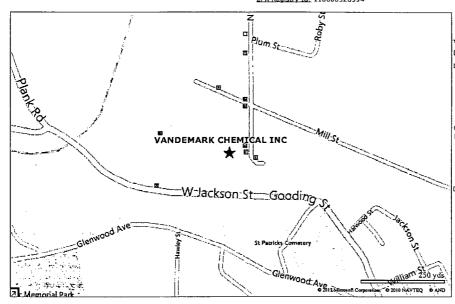
Facility Registry System (FRS)
You are here: EPA Home Envirofacts FRS Report



Facility Detail Report







Legend

- * Selected Facility
- EPA Facility of Interest
- State/Tribe
 Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIR FACILITY SYSTEM	3606300061	AIR MAJOR (ACTIVE)	AIRS/AFS	09/06/2012	
BIENNIAL REPORTERS	NYD175773779	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2009	
EMISSION INVENTORY SYSTEM (EIS)	7762511	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS		
NEW YORK - FACILITY INFORMATION SYSTEM	9-2909-00107	STATE MASTER	FIS		FIS-9-2909-00107/00001 AIR PAJOR FIS-9-2909-00107/00003 AIR PROGRAM FIS-9-2909-00107/00005 AIR PROGRAM FIS-9-2909-00107/00007 AIR PROGRAM FIS-9-2909-00107/00009 AIR PROGRAM FIS-9-2909-00107/00011 AIR PROGRAM FIS-9-2909-00107/00013 AIR PROGRAM FIS-9-2909-00107/00017 AIR PROGRAM FIS-9-2909-00107/00017 AIR PROGRAM FIS-9-2909-00107/00021 AIR PROGRAM FIS-9-2909-00107/00021 AIR PROGRAM FIS-9-2909-00107/00021 AIR PROGRAM FIS-9-2909-00107/00023 AIR PROGRAM FIS-9-2909-00107/00035 AIR PROGRAM FIS-9-2909-00107/00031 AIR PROGRAM FIS-9-2909-00107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/00031 AIR PROGRAM FIS-9-2909-0107/000041 AIR PROGRAM FIS-9-2909-0107/000041 AIR PROGRAM FIS-9-2909-0107/00047 AIR PROGRAM FIS-9-2909-0107/00049 AIR PROGRAM

					FIS-9-2909-00107/00051 AIR PROGRAM FIS-9-2909-00107/00053 AIR PROGRAM FIS-9-2909-00107/00055 AIR PROGRAM FIS-9-2909-00107/00057 AIR PROGRAM FIS-9-2909-00107/00059 AIR PROGRAM FIS-9-2909-00107/00061 AIR PROGRAM FIS-9-2909-00107/00063 AIR PROGRAM FIS-9-2909-00107/00065 AIR PROGRAM FIS-9-2909-00107/00065 AIR PROGRAM FIS-9-2909-00107/00067 AIR PROGRAM FIS-9-2909-00107/00066 AIR PROGRAM FIS-9-2909-00107/00066 AIR PROGRAM FIS-9-2909-00107/00066 AIR PROGRAM
					FIS-9-2909-00107/00071 AIR PROGRAM
					FIS-9-2909-00107/00073 AIR PROGRAM FIS-9-2909-00107/00075
					AIR PROGRAM FIS-9-2909-00107/00077
	·				AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM
					FIS-9-2909-00107/00081 AIR PROGRAM
					FIS-NYD002116192 HAZARDOUS WASTE PROGRAM FIS-9-2909-00107/00029
					NPDES PERMIT FIS-9-2909-00107/00083
					AIR PROGRAM FIS-9-2909-00107/00089 AIR MAJOR
NATIONAL COMPLIANCE DATABASE	D02#E-02-2004-4209	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 2	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 3	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 4	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 5	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 6	COMPLIANCE ACTIVITY	NCDB		<u> </u>
NATIONAL COMPLIANCE DATABASE	I02#199108292774 7	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 12	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 14	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	102#199108292774 15	COMPLIANCE ACTIVITY	NCDB		
NATIONAL EMISSIONS INVENTORY	NEINY0639290	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NY0204323	ICIS-NPDES NON-MAJOR	ICIS	03/05/2010	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NYR00F095	ICIS-NPDES NON-MAJOR	icis	02/09/2012	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
PERMIT COMPLIANCE SYSTEM	NY0204323	NPDES NON-MAJOR	NPDES PERMIT	09/01/2004	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD002116192	UNSPECIFIED UNIVERSE (INACTIVE)	RCRAINFO	04/22/2010	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD175773779	LQG (ACTIVE)	RCRAINFO	09/10/2012	
TOXIC RELEASE INVENTORY SYSTEM	14094VNDMR1NORT	TRI REPORTER	TRI REPORTING FORM	06/14/2012	ICIS-02-2004-4209 FORMAL ENFORCEMENT ACTION
TOXIC SUBSTANCES CONTROL ACT	100602833	TSCA SUBMITTER	TSCA	12/31/2005	

NAICS Code

325199

325199 32511

325181

Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Watershed Report

Standard Industrial Classification Codes (SIC)

National Industry Classification System Codes (NAICS)

Description

ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.

ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.

PETROCHEMICAL MANUFACTURING ALKALIES AND CHLORINE MANUFACTURING. Primary

SIC Code	Description	Primary	Data Source	
9999	NONCLASSIFIABLE ESTABLISHMENTS		RCRAINEO	Γ
2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED			L
2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE			L
2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE		RCRAINFO	Ĺ
2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE		TRIS	
			NEI	ĺ
2834	PHARMACEUTICAL PREPARATIONS	الــــــا	DCDATAGO	Г
9999	NONCLASSIFIABLE ESTABLISHMENTS		KCKAINFO	L
	2869 2869 2869 2869 2869 2834	Sode Destrict	Page Page	SOURCE

ELSEWHERE	TRIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.
	NEI	325	
ENTS ENTS	RCRAINFO	325188	ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING.
	NEI	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.
	FIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.

Facility Codes and Flags

EPA Region: 02

Duns Number: Congressional District Number: 26 Legislative District Number: NY HUC Code/Watershed: 04130001 / OAK ORCHARD-TWELVEMILE US Mexico Border Indicator: NO Federal Facility: NO Tribal Land: NO

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
LEGALLY RESPONSIBLE PARTY	5 VAUGHN DR STE III	PRINCETON	ι	08540	FIS
OPERATOR	1 N TRANSIT RD	OPERCITY	NY	99999	RCRAINFO
OWNER	ISOCHEM, INC	LOCKPORT	NY	14094	PCS

	Alternative	Names iaspul	o.epa.gov/enviro	o/fii_query_d	li.disp_ 9N4NER n_faci	ONE NORTH	TI DECK BOBELS		_syk <u>4024</u> nm	in arratufo
Alternat	ive Name		Source of Data		FACILITY MAILING ADDRESS	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO
	CHEMICAL, INC		NCDB		PRIMARY MAILING	ISOCHEM, INC	LOCKPORT	NY	14094	PCS
	ARK INC.		TRIS		ADDRESS					
VAN DE MA	RC LOCKPO	AIR VO	LUNTARY SUBMI	SSION	OWNER	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO
ISOCH	EM INC		AIRS/AFS		FACILITY MAILING 1 NORTH TRANSIT LOCKPORT NY 14094000		140940000	AIRS/AFS		
	HEMICAL CO INC		AIRS/AFS		AUDRESS RU					
ISOCH	EM INC.		TSÇA		OWNER	5 VAUGHN DR				NPDES
VANCH	EM, INC		NCDB		REGULATORY		PRINCETON	[N]	08540	RCRAINFO
L VAN CH	EM, INC		NPDES PERMIT		CONTACT	ONE NORTH TRANSIT ROAD	LOCKPORT	NY	14094	RCRAINFO
	Organiza	tions			REGULATORY CONTACT	1 N TRANSIT RD	ISIT RD LOCKPORT NY 14094 R			RCRAINFO
Affiliation Type	Name	DUNS Number	Information System	Mailing Address	LEGALLY RESPONSIBLE PARTY	1 NORTH TRANSIT	LOCKPORT	NY	14094	FIS
LEGALLY RESPONSIBLE PARTY	VAN DEMARK GROUP		FIS	<u>View</u>	MAILING ADDRESS	ISOCHEM, INC	LOCKPORT	NY	14094	NPDES
LEGALLY RESPONSIBLE PARTY	SNPE INC		FIS	<u>View</u>	OWNER	VANDEMARK CHEMICAL INC.	LOCKPORT	NY	14094	NPDES
LEGALLY RESPONSIBLE PARTY	ISOCHEM INC		FIS	View	FACILITY MAILING ADDRESS	1 N TRANSIT RD	LOCKPORT	NY	14094	TRIS
LEGALLY RESPONSIBLE PARTY	VANDEMARK CHEMICAL INC		FIS	View	MAILING ADDRESS	1792\$ MERIDIAN ST E	PUYALLUP	WA	98373	FIS
MAILING ADDRESS	ISOCHEM, INC		NPDES	View						
OPERATOR	VAN DE MARK CHEMICAL CO INC		RCRAINFO	View			Contacts	<u> </u>	Information	n Mailing
OPERATOR	VANDEMARK		RCRAINFO		Affiliation Type	Full Name	Office Pt	one	System	Address
0, 4, 0, 1, 0, 1,	CHEMICAL INC	l l								
OWNER			NPDES	View	WATER FEE BILLIN CONTACT - SPDE		7164336	764	FIS	
OWNER OWNER	ISOCHEM, INC.	002116192	NPDES TSCA	<u>View</u>	AIR COMPLIANCE	S COOK MATTHEW	7164336 7164336	 -		
	ISOCHEM, INC	002116192	-X-2.12	<u>View</u>	AIR COMPLIANCE CONTACT	S COOK MATTHEW BARMASSE	7164336	764	FIS FIS	View
OWNER	ISOCHEM, INC.	002116192	TSCA		AIR COMPLIANCE	S COOK MATTHEW BARMASSE	7164336 CH 7164336 411	764 764	FIS	View
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